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Checklist of the Mosses of Canada

Prepared by the Canadian Botanical Association Bryophyte Checklist Committee

Robert R. Ireland (Chairman)
Charles D. Bird
Guy R. Brassard
Wilfred B. Schofield
Dale H. Vitt

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Summary

This checklist is the first for Canada to include the names of all the mosses known for the country. The list is based primarily on verified herbarium specimens but many taxa known only from literature reports are included. In the checklist, 996 species, 24 subspecies, 326 varieties, and 51 forms in 224 genera and 54 families are recognized. Lists of synonyms and excluded taxa and of erroneous reports, as well as a map of Canada, are appended to the checklist.

Résumé

Cette liste de contrôle est la première au Canada à inclure les noms de toutes les mousses connues dans le pays. La liste est basée principalement sur les spécimens d'herbier vérifiés mais plusieurs taxons connus seulement dans la littérature sont également inclus. Dans cette liste de contrôle, 996 espèces, 24 sous-espèces, 326 variétés, et 51 formes dans 224 gènes et 54 familles sont reconnues. Des listes de synonymes et de taxons exclus et des rapports erronés, aussi bien qu'une carte du Canada, sont ajoutées à la liste de contrôle.

Robert R. Ireland

Robert R. Ireland has been curator of bryophytes at the National Museum of Natural Sciences, Ottawa since 1966. His interest in moss systematics has led to two other publications in the Publications in Botany series, *A Taxonomic Revision of the Genus Plagiothecium for North America, North of Mexico and Checklist of the Mosses of Ontario* (co-author R.F. Cain). His studies of bryophytes have been concentrated primarily on the mosses of eastern Canada, particularly the Maritime provinces.

Charles D. Bird

Charles D. Bird received his B.Sc. degree from the University of Manitoba in 1956. His graduate training was obtained at Oklahoma State University where he received his M.Sc. in 1958 and his Ph.D. in 1960. After a National Research Council of Canada Postdoctoral Fellowship (1960-1962) he joined the staff at the University of Calgary in 1962 where he is now Professor of Botany. His main research interests have been on the bryophytes and lichens of Alberta, Saskatchewan and Manitoba but he has also maintained an active interest in the butterflies of Alberta.

Guy R. Brassard

Guy R. Brassard obtained his academic training at Queen's University (B.A., 1964) and the University of Ottawa (Ph.D., 1970). His main research interests are the floristic and phytogeography of mosses in the Canadian High Arctic and in Newfoundland-Labrador. He has carried out extensive field work in Ellesmere Island, central and coastal Labrador, and in Newfoundland. He is presently Associate Professor of Biology, Memorial University of Newfoundland.

Wilfred B. Schofield

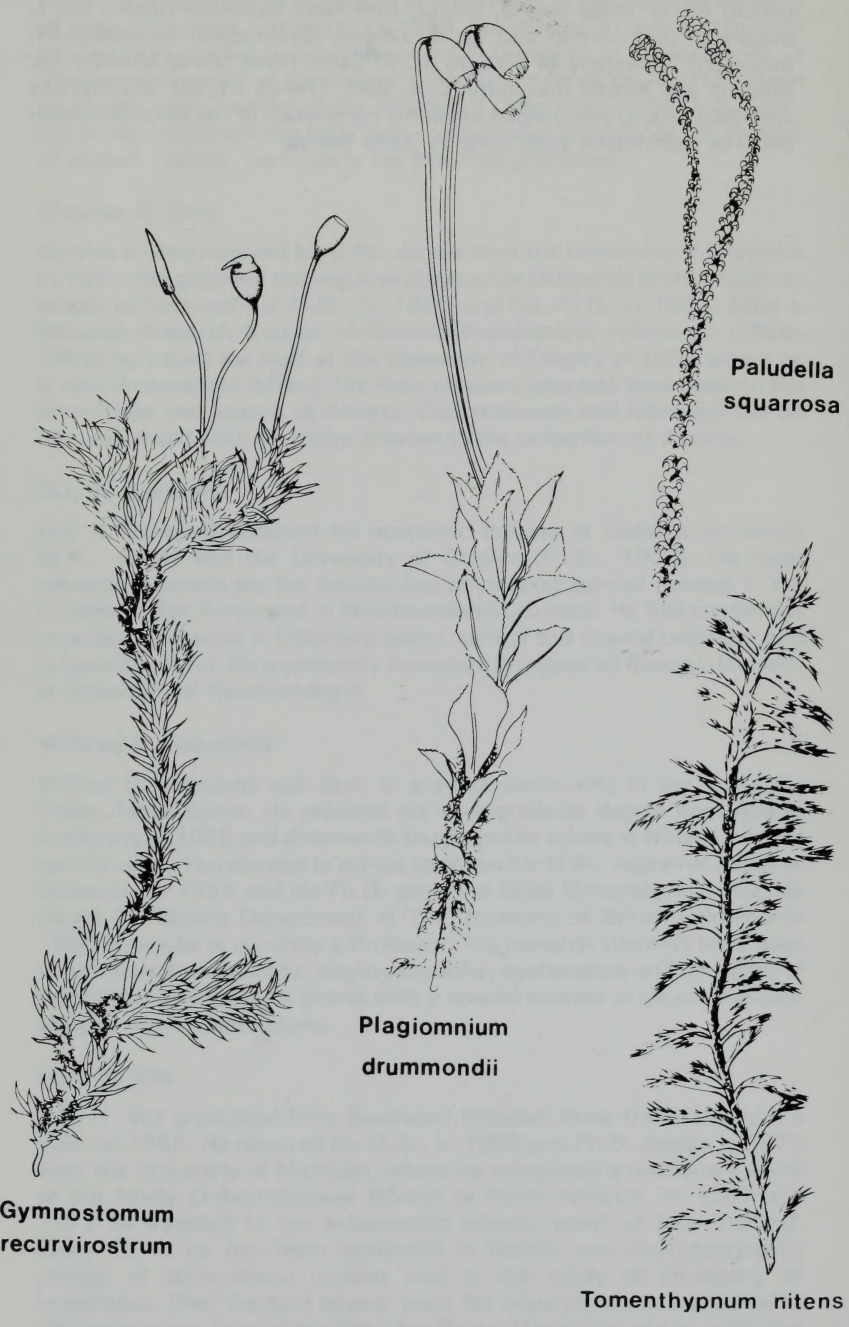
Wilfred B. Schofield was born in a small community in the Annapolis Valley, Nova Scotia. He received his undergraduate degree from Acadia University in 1950 and afterwards taught public school in Nova Scotia for several years. He returned to school to obtain his M.Sc. degree at Stanford University in 1956 and his Ph.D. degree at Duke University in 1960. He joined the Botany Department at The University of British Columbia in 1960 where he is currently a Professor. His research interests have been concentrated on floristics, phytogeography, systematics and evolution of bryophytes and vascular plants with a special interest in disjunction patterns in moss distributions.

Dale H. Vitt

Dale H. Vitt graduated from Southeast Missouri State University with a B.Sc. in 1966. He received his M.Sc. in 1968 and Ph.D. degree in 1970 from the University of Michigan, where he completed a revisionary study of the family Orthotrichaceae (Musci) in North America. In 1969 and 1972 he travelled to the subantarctic islands, south of New Zealand. Since 1970, he has been interested in floristic and phytogeographic studies of arctic-alpine mosses and in the study of phylogeny of bryophytes. Over the past several years his research has concentrated in the alpine moss flora of the Canadian Rocky Mountains and in ecological studies of mires of northern Canada. At the present, he and W.B. Schofield are writing a moss flora of western Canada. He is currently Associate Professor in the Department of Botany at the University of Alberta.

Acknowledgements

We are grateful to the curators and staffs of the following institutions for allowing us to study their collections and use their facilities: Farlow Herbarium (N. G. Miller and G. Sayre); New York Botanical Garden (C. T. Rogerson, G. L. Smith and W. C. Steere); Smithsonian Institution (H. Robinson); University of Toronto (R. F. Cain); Nova Scotia Museum (A. Wilson); and Acadia University (C. E. Beil). Thanks are due to Linda Ley and Gilda Trucco who helped make the completion of the checklist possible. The illustrations were done by Anne Hanes.

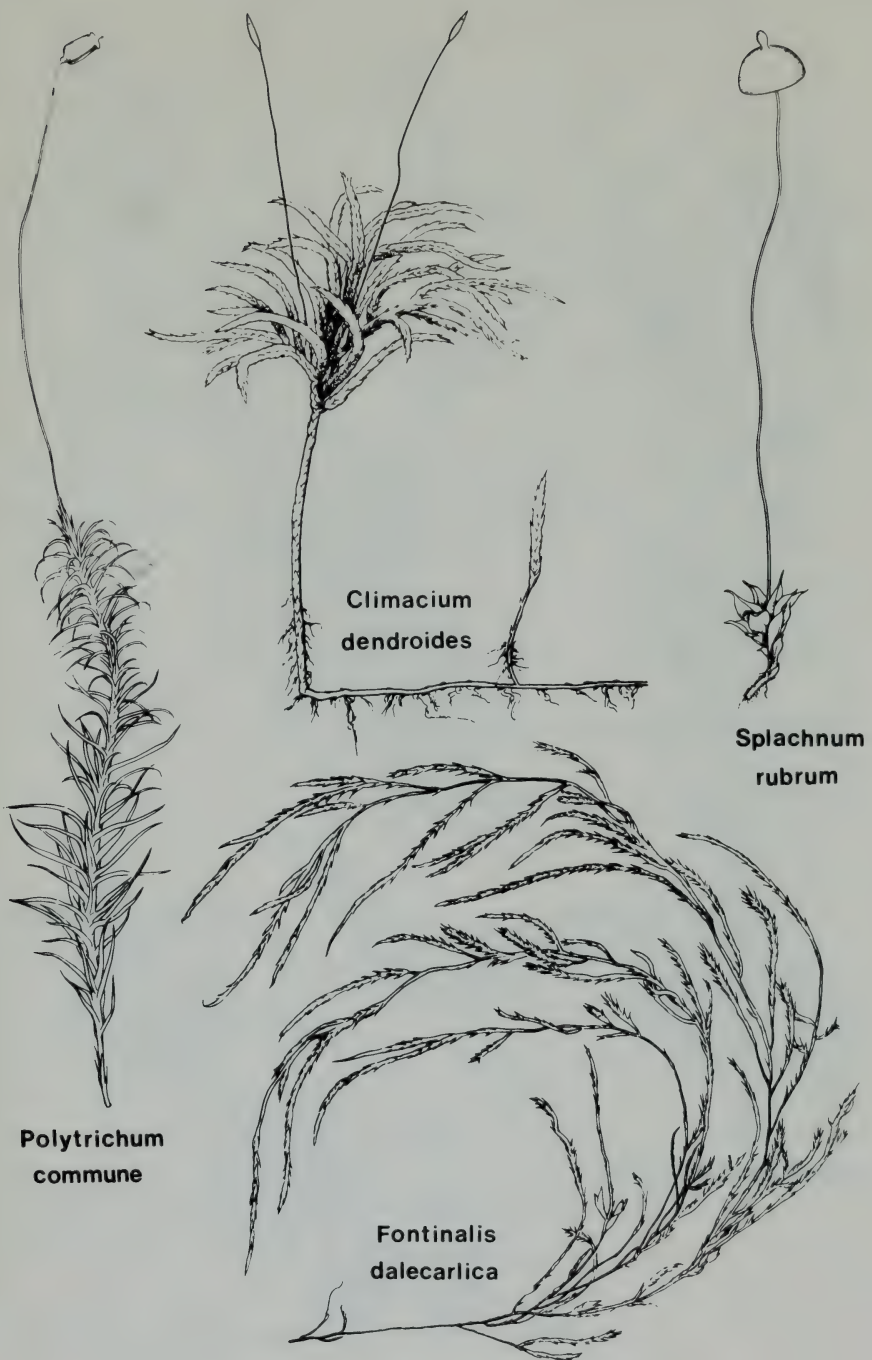


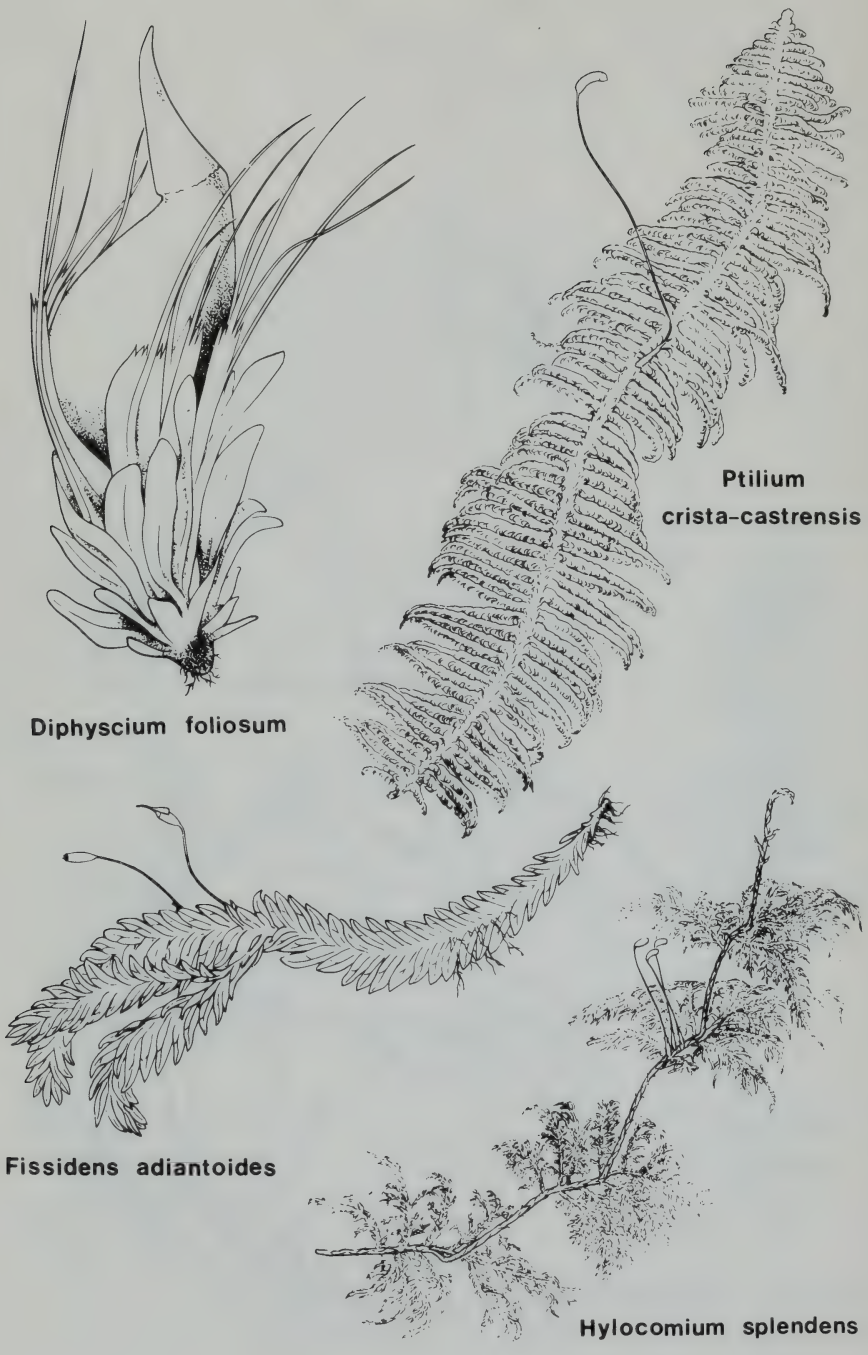
Paludella squarrosa

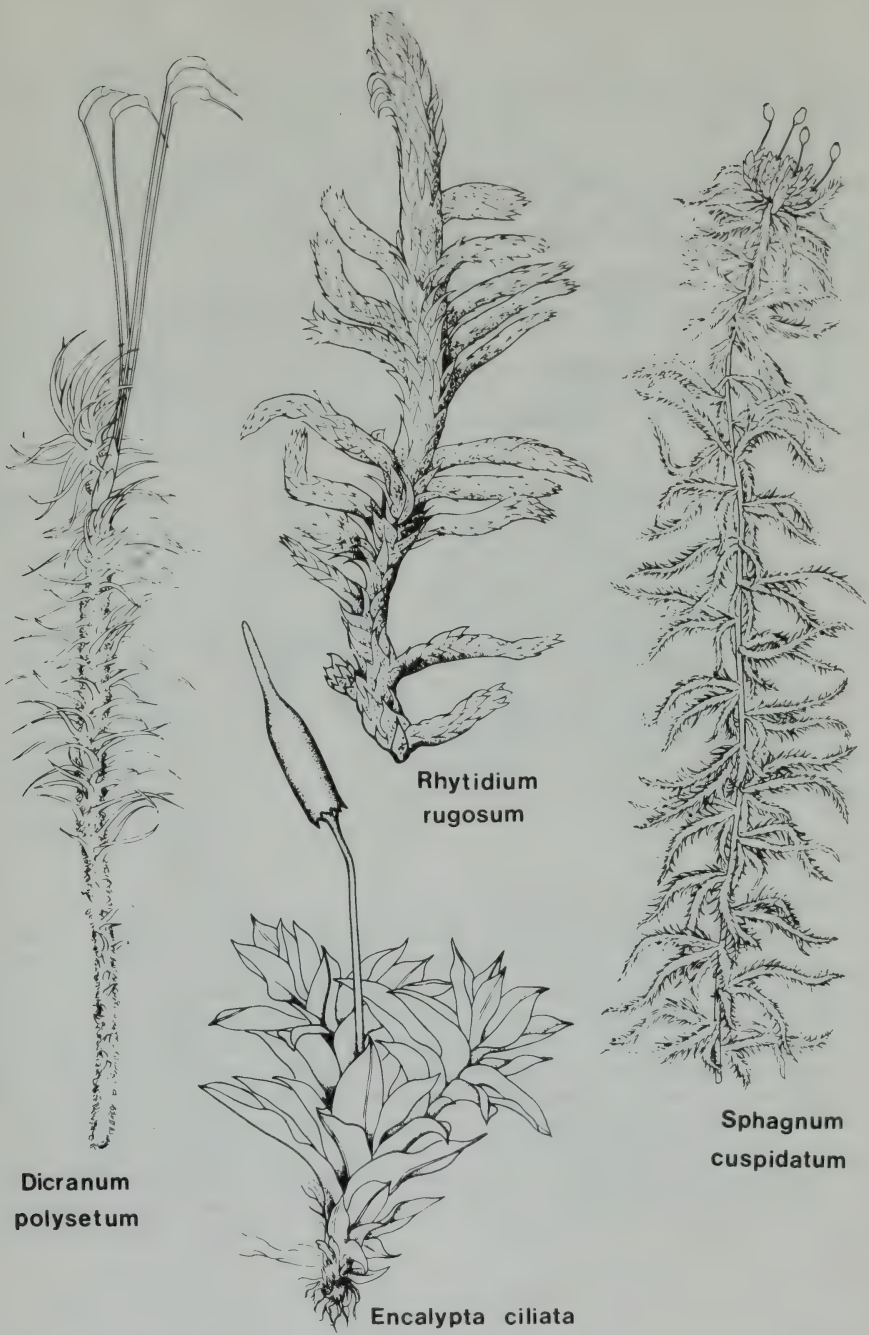
Plagiomnium drummondii

Gymnostomum recurvirostrum

Tomenthypnum nitens


Climacium
dendroides
Splachnum
rubrum
Polytrichum
commune
Fontinalis
dalecarlica


Diphyscium foliosum
Ptilium
crista-castrensis
Fissidens adiantoides
Hylocomium splendens


Dicranum
polysetum
Rhytidium
rugosum
Encalypta ciliata
Sphagnum
cuspidatum

CANADA
Alaska
Yukon Territory
Northwest Territories
British Columbia
Alberta
Saskatchewan
Manitoba
Ontario
Quebec
Labrador
Newfoundland
New Brunswick
Nova Scotia
Greenland
United States
Arctic Archipelago
0 100 200 300 400 500 miles
0 500 kilometres

Introduction

This checklist, which was initiated by the Canadian Botanical Association at its meetings in Ottawa in 1967, represents the combined efforts of the following committee members who have contributed data on herbarium specimens for the regions listed:

Bryophyte Checklist Committee

R. R. Ireland (Chairman) — New Brunswick, Nova Scotia, Ontario, Prince Edward Island, Quebec.
C. D. Bird — Alberta, Manitoba, Saskatchewan.
G. R. Brassard — Arctic Archipelago, Northwest Territories, Labrador, Newfoundland.
W. B. Schofield — British Columbia.
D. H. Vitt — Yukon Territory, Sphagna of Alberta, Manitoba, and Saskatchewan.

In addition, Linda Ley (Bryology Curatorial Assistant, National Museum of Natural Sciences) and R. R. Ireland have reviewed some literature to record moss taxa from all regions used in the checklist.

The checklist reports the mosses for all of the provinces and territories in Canada (see Map). The mosses of Labrador and the Arctic Archipelago are listed separately from Newfoundland and the Northwest Territories, respectively. The following symbols are used in the checklist:

BC = British Columbia
At = Alberta
Sa = Saskatchewan
Mb = Manitoba
On = Ontario
Qu = Quebec
Lb = Labrador
Nf = Newfoundland
PE = Prince Edward Island
NB = New Brunswick
NS = Nova Scotia
YT = Yukon Territory
NT = Northwest Territories
AA = Arctic Archipelago

O = Literature report
● = Herbarium specimen seen
* = Not accepted or listed as occurring in North America by Crum, Steere, and Anderson (A new list of mosses of North America north of Mexico. The Bryologist 76(1):85-130. 1973.).
? = Literature report, locality data or identification of specimen is doubtful.

In the checklist, 996 species, 24 subspecies, 326 varieties, and 51 forms in 224 genera and 54 families are recognized for Canada. The list includes many taxa that are neither accepted nor listed as occurring in North America by Crum, Steere, and Anderson (1973). These are preceded by an asterisk and most of them are to be regarded as questionable taxa. Many of them are known only from literature reports and the majority are probably of little taxonomic significance. However, since there is a great deal of disagreement among bryologists concerning their validity it seems desirable to leave them in the list until adequate collections and research can help decide which ones to recognize. Most of them are recognized as valid taxa in Index Muscorum by Wijk, Margadant, and Florschütz [Regnum Vegetabile 17 (1959); 26 (1962); 33 (1964); 48 (1967); 65 (1969)]. A few are perfectly distinct taxa and have been described or attributed as new to Canada since the publication of the Crum, Steere, and Anderson checklist.

Systematic Arrangement of Canadian Mosses

Basically the system of Crum, Steere, and Anderson (The Bryologist 76(1): 85-130, 1973), which is based on Brotherus (*In* A. Engler and K. Prantl, eds., Die natürlichen Pflanzenfamilien, Vol. I (1924); Vol. II (1925). 2nd ed. Leipzig).

Class Musci

Subclass SPHAGNIDAE
Order SPHAGNALES
1. Family **Sphagnaceae**
   Sphagnum

Subclass ANDREAEIDAE
Order ANDREAEALES
2. Family **Andreaeaceae**
   Andreaea

3. Family **Andreaeobryaceae**
   Andreaeobyrum

Subclass BRYIDAE
Order FISSIDENTALES
4. Family **Fissidentaceae**
   Fissidens

Order ARCHIDIALES
5. Family **Archidiaceae**
   Archidium

Order DICRANALES
6. Family **Ditrichaceae**
   Pleuridium
   Trichodon
   Ditrichum
   Saelania
   Ceratodon
   Distichium

7. Family **Pseudoditrichaceae**
   Pseudoditrichum

8. Family **Seligeriaceae**
   Seligeria
   Blindia

9. Family **Dicranaceae**
   Bruchia
   Trematodon
   Pseudephemerum
   Aongstroemia
   Dicranella
   Campylopus
   Dicranodontium
   Paraleucobryum
   Rhabdoweisia
   Oreas
   Cnestrum
   Cynodontium
   Dichodontium
   Dicranoweisia
   Oncophorus
   Arctoa
   Kiaeria
   Dicranum

10. Family **Leucobryaceae**
    Leucobryum

Order POTTIALES
11. Family **Encalyptaceae**
    Encalypta
    Bryobrittonia

12. Family **Pottiaceae**
    Anoectangium
    Crumia
    Astomum
    Weissia
    Gymnostomum
    Gyroweisia
    Eucladium
    Trichostomum
    Oxystegus
    Timmiella
    Tortella
    Pleurochaete
    Leptodontium
    Hyophila
    Didymodon
    Bryoerythrophyllum
    Barbula
    Geheebia
    Acaulon
    Phascum
    Pottia
    Stegonia
    Pterygoneurum
    Desmatodon
    Aloina
    Tortula

Order GRIMMIALES
13. Family **Grimmiaceae**
    Scouleria
    Schistidium
    Grimmia
    Dryptodon
    Rhacomitrium

Order FUNARIALES
14. Family **Disceliaceae**
    Discelium

15. Family **Ephemeraceae**
Ephemerum
Micromitrium

16. Family **Funariaceae**
Physcomitrella
Aphanorrhegma
Physcomitrium
Funaria
Entosthodon

17. Family **Oedipodiaceae**
Oedipodium

18. Family **Splachnaceae**
Voitia
Tayloria
Tetraplodon
Aplodon
Splachnum

Order SCHISTOSTEGALES

19. Family **Schistostegaceae**
Schistostega

Order EUBRYALES

20. Family **Bryaceae**
Mielichhoferia
Pohlia
Epipterygium
Plagiobryum
Leptobryum
Bryum
Rhodobryum

21. Family **Mniaceae**
Leucolepis
Roellia
Mnium
Cyrtomnium
Plagiomnium
Pseudobryum
Rhizomnium
Cinclidium

22. Family **Aulacomniaceae**
Aulacomnium

23. Family **Meesiaceae**
Paludella
Amblyodon
Meesia

24. Family **Catoscopiaceae**
Catoscopium

25. Family **Bartramiaceae**
Plagiopus
Anacolia
Bartramia
Conostomum
Philonotis

26. Family **Timmiaceae**
Timmia

Order ISOBRYALES

27. Family **Ptychomitriaceae**
Campylostelium
Ptychomitrium

28. Family **Orthotrichaceae**
Zygodon
Amphidium
Orthotrichum
Ulota
Drummondia

29. Family **Fontinalaceae**
Fontinalis
Dichelyma

30. Family **Climaciaceae**
Climacium

31. Family **Pleuroziopsidaceae**
Pleuroziopsis

32. Family **Hedwigiaceae**
Hedwigia
Pseudobraunia

33. Family **Cryphaeaceae**
Cryphaea
Alsia
Forsstroemia
Dendroalsia
Bestia

34. Family **Leucodontaceae**
Leucodon
Antitrichia
Pterogonium

35. Family **Meteoriaceae**
Papillaria

36. Family **Neckeraceae**
Neckera
Neomacounia
Metaneckera
Neckeropsis
Homalia
Porotrichum
Thamnobryum

37. Family **Lembophyllaceae**
Tripterocladium

Order HOOKERIALES

38. Family **Hookeriaceae**
Hookeria

39. Family **Hypopterygiaceae**
Hypopterygium

Order HYPNOBRYALES

40. Family **Theliaceae**
Thelia
Myurella

41. Family **Fabroniaceae**
Fabronia
Anacamptodon
Schwetschkeopsis
Myrinia
Habrodon

42. Family **Leskeaceae**
Lindbergia
Leskea
Leskeella
Pseudoleskeella
Lescuraea
Pterigynandrum

43. Family **Thuidiaceae**
Heterocladium
Haplohymenium
Anomodon
Claopodium
Haplocladium
Rauiella
Thuidium
Helodium

44. Family **Amblystegiaceae**
Cratoneuron
Campylium
Leptodictyum
Hygroamblystegium
Sciaromium
Amblystegium
Platydictya
Drepanocladus
Hygrohypnum
Calliergon
Calliergonella
Calliergidium
Scorpidium

45. Family **Brachytheciaceae**
Tomenthypnum
Homalothecium
Homalotheciella
Isothecium
Brachythecium
Bryhnia
Cirriphyllum
Bryoandersonia
Scleropodium
Rhynchostegium
Rhynchostegiella
Eurhynchium
Stokesiella
Pseudoscleropodium

46. Family **Entodontaceae**
Orthothecium
Entodon
Pleurozium

47. Family **Plagiotheciaceae**
Stereophyllum
Plagiothecium

48. Family **Sematophyllaceae**
Heterophyllium
Wijkia
Brotherella
Sematophyllum

49. Family **Hypnaceae**
Platygyrium
Pylaisia
Pylaisiella
Homomallium
Hypnum
Callicladium
Isopterygiopsis
Isopterygium
Taxiphyllum
Herzogiella
Ctenidium
Ptilium

50. Family **Rhytidiaceae**
Rhytidium
Rhytidiopsis
Rhytidiadelphus
Gollania

51. Family **Hylocomiaceae**
Hylocomium

Order BUXBAUMIALES
52. Family **Buxbaumiaceae**
Buxbaumia
Diphyscium

Order TETRAPHIDALES
53. Family **Tetraphidaceae**
Tetradontium
Tetraphis

Order POLYTRICHALES
54. Family **Polytrichaceae**
Atrichum
Oligotrichum
Psilopilum
Bartramiopsis
Lyellia
Pogonatum
Polytrichum

NOTE: The number in parentheses after each genus refers to the family to which the genus belongs (see Systematic Arrangement).

	BC	At	Sa	Mb	On	Qu	Lb	Nf	PE	NB	NS	YT	NT	AA
Acaulon (12)														
muticum (Hedw.) C. Müll. var. *rufescens* (Jaeg.) Crum			○		●									
triquetrum (Spruce) C. Müll.			○		○									
Aloina (12)														
aloides (Koch *ex* Schultz) Kindb.								○						
var. *ambigua* (B.S.G.) Craig *in* Grout	○													
brevirostris (Hook. & Grev.) Kindb.	●	●	●	●	●						●	●	●	●
rigida (Hedw.) Limpr.	●	●			○						○	○		○
Alsia (33)														
californica (Hook. & Arnott) Sull.	●													
Amblyodon (23)														
dealbatus (Hedw.) B.S.G.	●	●		●	●	●		●		○	○	●	●	
Amblystegium (44)														
juratzkanum Schimp.	●	●	●	●	●	●	●	●		●	●	○	●	
* var. *serotinum* (Lindb.) Wijk & Marg.	○	○	○	○	○	○	○		○	○	○			
serpens (Hedw.) B.S.G.	●	●	●	●	●	●	●	●	●	●	●	●	●	
* var. *columbiae* (Kindb.) Par.	○													
* var. *subnerve* Ren. & Card.								○						
* var. *xanthodictyon* Kindb. *in* Mac. & Kindb.						○								
* *speirophyllum* Kindb.										○				
* *tenuifolium* Kindb.					○									
varium (Hedw.) Lindb.	○	●	●	●	●	●	●		●	●	●	○	●	○
* var. *oligorrhizon* (B.S.G.) Lindb.						○								
var. *ovatum* (Grout) Grout											○			
Amphidium (28)														
californicum (Hampe *ex* C. Müll.) Broth.	●										○?			
lapponicum (Hedw.) Schimp.	●	●	●		●	●	●	●		●	●	●	●	●
mougeotii (B.S.G.) Schimp.	●	●			●	●	●	●		●	●	○	○	
Anacamptodon (41)														
splachnoides (Fröhl. *ex* Brid.) Brid.					●	●				●	●			
Anacolia (25)														
menziesii (Turn.) Par.	●													
var. *baueri* (Hampe) Flow.	○?													
* f. *grandifolia* Flow. *in* Grout	○													
Andreaea (2)														
blyttii B.S.G.	●						●							○
crassinervia Bruch			○				○	●			○			○
hartmanii Thed.						○								
nivalis Hook.	●	○										●		
* *obovata* Thed.	●?					○	○					●	●	
rothii Web. & Mohr	●				●		●	●		●	●			
* var. *papillosa* C. Müll.	○													
rupestris Hedw.	●	●	●	●	●	●	●	●		●	●	●	●	●
* ssp. *papillosa* C. Jens.												●		
var. *acuminata* (B.S.G.) Sharp	○						○					●		
Andreaeobryum (3)														
* *macrosporum* Steere & B. Murray												●	○	
Anoectangium (12)														
aestivum (Hedw.) Mitt.	●											○	○	

	BC	At	Sa	Mb	On	Qu	Lb	Nf	PE	NB	NS	YT	NT	AA
obtusifolium (Broth. & Par. *ex* Card.) Grout													O?	
sendtnerianum B.S.G.												O	O	
tenuinerve (Limpr.) Par.				●										●
Anomodon (43)														
attenuatus (Hedw.) Hüb.	O?			O	●	●		●	●	●	●			
minor (Hedw.) Fürnr.				●	●	●				O	O			
* *moseri* (Kindb.) Kindb.										O				
rostratus (Hedw.) Schimp.	O?		●	●	●	●		●		●	●			
rugelii (C. Müll.) Keissl.					●	●				●	●			
viticulosus (Hedw.) Hook & Tayl.					●	●				●	●			
Antitrichia (34)														
californica Sull. *ex.* Lesq.	●													
curtipendula (Hedw.) Brid.	●				O?			●						
var. *gigantea* Sull. & Lesq.	●													
Aongstroemia (9)														
longipes (Somm.) B.S.G	●	●				●		O				●		
Aphanorrhegma (16)														
serratum (Hook. *f.* & Wils. *ex* Drumm.) Sull.					●	●								
Aplodon (18)														
wormskjoldii (Hornem.) R.Br.						●	●						●	●
Archidium (5)														
alternifolium (Hedw.) Schimp.											O			
ohioense Schimp. *ex* C. Müll.						O								
Arctoa (9)														
fulvella (Dicks.) B.S.G.	●					●						●		●
var. *anderssonii* (Wich.) Grout												●		●
hyperborea (With.) B.S.G.						O	O				O			O
Astomum (12)														
* *crispum* (Hedw.) Hampe			O											
muhlenbergianum (Sw.) Grout			O	●	●	●					●			
phascoides (Hook. *ex* Drumm.) Grout			O											
Atrichum (54)														
altecristatum (Ren. & Card.) Irel.				●	●	●		●	●	●	●			
angustatum (Brid.) B.S.G.	O?				●	●		O		O	●			
crispum (James)Sull.	O?				●	●			●	●	●			
hausknechtii Jur. & Milde	●							O	O		O			
oerstedianum (C. Müll.) Mitt.					●	●	●	●	●	●	●			
selwynii Aust.	●	●	●	O?	●?					O?	O?			
tenellum (Röhl.) B.S.G.	●			●	●	●	●	●	●	●				
undulatum (Hedw.) P. Beauv.	●	O		O	●	O		●	●	O	●			
Aulacomnium (22)														
acuminatum (Lindb. & H. Arnell) Kindb.	●	●			●							●	●	●
androgynum (Hedw.) Schwaegr.	●	●			●	O	O?	●	●	●	●			
heterostichum (Hedw.) B.S.G.					●						●			
palustre (Hedw.) Schwaegr.	●	●	●	●	●	●	●	●	●	●	●	●	●	●
var. *congestum* Boul.	O	●	●	●		O								
var. *imbricatum* B.S.G.	O			O	O	●	●	O		O	O	O		
* var. *polycephalum* (Brid.) Hüb.	O	O			O	O	O	O	O					

	BC	At	Sa	Mb	On	Qu	Lb	Nf	PE	NB	NS	YT	NT	AA
* f. *laxifolium* (Kindb. *in* Mac. & Kindb.) Podp.	○													
turgidum (Wahlenb.) Schwaegr.	●	●	●	●	●	●	●				○?	●	●	●
Barbula (12)														
acuta (Brid.) Brid.	○	●	●		●	●	●					●	○	
andreaeoides Kindb.	●											○	○	
convoluta Hedw.	●	●	●	●	●	●		●	●	●	○	●	●	
* var. *obtusata* C. Müll. & Kindb. *in* Mac. & Kindb.					○									
* *coreensis* (Card.) Saito												○	○	
cylindrica (Tayl. *ex.* McKay) Schimp. *ex* Boul.	●													
eustegia Card. & Thér.	●													
fallax Hedw.	●	●	●	●	●	●		●	●	●	●	●		
* *ferruginascens* Stirt.	○	○												
icmadophila Schimp. *ex* C. Müll.	●	●		●		●		●				●	●	●
* *maxima* Syed & Crundw.													○	
michiganensis Steere													○	
* *perobtusa* (Broth.) Chen													○	
platyneura C. Müll. & Kindb. *ex* Mac. & Kindb.	●											○		
reflexa (Brid.) Brid.	●	●			●	○	○	○			○	○		
rubiginosa Mitt.	●													
* *subgracilis* C. Müll. & Kindb. *in* Mac. & Kindb.	○													
unguiculata Hedw.	●	●	●	●	●	●		●	●	●	●	●	●	
* f. *apiculata* (Hedw.) Mönk.									●					
vinealis Brid.	●				○			○						
Bartramia (25)														
halleriana Hedw.	●	○?												
ithyphylla Brid.	●	●		●		●	●	●		○		●	○	●
var. *breviseta* (Lindb.) Kindb.							○							
pomiformis Hedw.	●	●	●	●	●	●	●	●		●	●	●	○	○
var. *elongata* Turn.	●							○		○	○			
stricta Brid.	●													
Bartramiopsis (54)														
lescurii (James) Kindb.	●													
Bestia (33)														
vancouveriensis (Kindb. *ex* Mac.) Wijk & Marg.	●													
Blindia (8)														
acuta (Hedw.) B.S.G.	●	●			●	●	●	●		●	●	●		●
Brachythecium (45)														
acuminatum (Hedw.) Aust.			○	●	●	●				●	●			
acutum (Mitt.) Sull.	●			●		○								○
albicans (Hedw.) B.S.G.	●	○?	○?	○?	●	●	○	●	●	○	●	●	●	○
* var. *occidentale* Ren. & Card.						○								
biventrosum (C. Müll.) Jaeg. & Sauerb.					○									
calcareum Kindb.	○				●	●	●	●			●	●		
campestre (C. Müll.) B.S.G.	○	●			●	●		●		●	●			
collinum (Schleich. *ex* C. Müll.) B.S.G.	●	●	●		○			○				●		
* var. *idahense* (Ren. & Card.) Grout												○		
curtum (Lindb.) Limpr.	●	●			●	●	●	●	●	●	●		●	
digastrum C. Müll. & Kindb. *ex* Mac. & Kindb.					●	●				●	●			

	BC	At	Sa	Mb	On	Qu	Lb	Nf	PE	NB	NS	YT	NT	AA
erythrorrhizon B.S.G.	●				●	●		●	●	●	○	○	●	
frigidum (C. Müll.) Besch.	●	○			○	○						●		
* *glaciale* B.S.G.													●	
* *glareosum* (Spruce)B.S.G.	○					○	○							
groenlandicum (C. Jens.) Schljak.												●	●	●
* *harpidioides* C. Müll. & Kindb. *in* Mac & Kindb.	○				○					○				
holzingeri (Grout) Grout	○													
hylotapetum B. Hig. & N. Hig.	●	●												
* *labradoricum* (Kindb.) Par.						○								
leibergii Grout	●	○?										●		
* *mildeanum* (Schimp.) Schimp. *in* Milde						○							●	
nelsonii Grout	●	●						○				●	●	
oxycladon (Brid.) Jaeg. & Sauerb.	●		●?	●?	●	●	○	●		●	●			
var. *dentatum* (Lesq. & James) Grout					○	○								
plumosum (Hedw.) B.S.G.	●	●	●	○	●	●	●	●		●	●		○	○
populeum (Hedw.) B.S.G.	●	○		●	●	●		●	●	●	●			
var. *ovatum* Grout						○		○						
* *pseudovelutinoides* (Kindb.) Broth.	○													
reflexum (Starke *ex* Web. & Mohr) B.S.G.	○	○		○	●	●	●	●	●	●	●	○		
* var. *demetrii* Ren. & Card.							○							
var. *pacificum* Ren. & Card. *ex* Röll	○				○	●	○	○		○	○			
rivulare B.S.G.	○	●	●	●	●	●	●	●	●	●	●	○		○
* var. *obtusulum* Kindb. *in* Mac. & Kindb.	○				○					○				
rutabulum (Hedw.) B.S.G.	●	●	●	●	●	●	●	●		●	●	○	●	
var. *flavescens* B.S.G.					○									
salebrosum (Web. & Mohr) B.S.G.	●	●	●	●	●	●	●	●	●	●	●	●?	●	○
* var. *densum* B.S.G.												○		
var. *flaccidum* B.S.G.								●		○				
* *starkei* (Brid.) B.S.G.								○	○	○	○	○		
* ssp. *oedipodium* (Mitt.) Ren. & Card.	○				○	○				○				
* *trachypodium* (Brid.) B.S.G.	○											○	●	
turgidum (C.J. Hartm.) Kindb.	●	●		●	●	●	○	●				●	●	●
* *vallium* (Sull. & Lesq.) Mac. & Kindb.	○													
velutinum (Hedw.) B.S.G.	●	●	●	●	●	●	○	●	●	●	●		○	
var. *venustum* (De Not.) Arc.												●		
Brotherella (48)														
recurvans (Michx.) Fleisch	○?			○	●	●		●	●	●	●			
roellii (Ren. & Card. *ex* Röll) Fleisch.	●										○?			
tenuirostris (Bruch & Schimp. *ex* Sull.) Fleisch.					●		○	○		○	○			
Bruchia (9)														
flexuosa (Sw. *ex* Schwaegr.) C. Müll					●									
sullivantii Aust.					●	○					○			
Bryhnia (45)														
graminicolor (Brid.) Grout					●	●	○	○	●	●	●			
var. *holzingeri* (Ren. & Card.) Grout						○								
hultenii Bartr. *ex* Grout	●					○?					○?			
novae-angliae (Sull. & Lesq. *ex* Sull.) Grout	○?				●	●	●	●	●	●	●			
Bryoandersonia (45)														
illecebra (Hedw.) Robins.					●									
Bryobrittonia (11)														
* *longipes* (Mitt.) Horton	●	●										●	●	●

	BC	At	Sa	Mb	On	Qu	Lb	Nf	PE	NB	NS	YT	NT	AA
Bryoerythrophyllum (12)														
* *alpigenum* (Vent.) Chen	●													○
* *recurvifolium* (Tayl.) Zander	●													
recurvirostrum (Hedw.) Chen	●	●	●	●	●	●	●	●		●	●	●	●	●
Bryum (20)														
acutiforme Limpr. *ex* Hag.				○								○	○	
aeneum Blytt *ex* B.S.G.								●						○
algovicum Sendtn. *ex* C. Müll.	○	●	●	●	●	●	●	●		○	●	●	●	●
* var. *rutheanum* (Warnst.) Crundw.														○
* *alpiniforme* Kindb. *in* Mac. & Kindb.					○									
alpinum With.	○							○		○				
* *angustirete* Kindb. *ex* Mac. ssp. *fridtzii* (Hag.) Wijk & Marg.														○
* ssp. *parvulum* (Kindb.) Wijk & Marg.					○									
arcticum (R.Br.) B.S.G.		○	●	○		●	●	●				●	○	●
* var. *arcuatum* (Limpr.) Podp.														○
* var. *micans* Amann														○
* var. *tomentosum* Joerg.														○
argenteum Hedw.	●	●	●	●	●	●	●	●	●	●	●	●	●	●
* var. *lanatum* (P. Beauv.) Hampe	○	○			○				○					
bicolor Dicks.	●	○			●	●		○						
* *bimum* (Brid.) Turn. var. *angustifolium* Kindb. *in* Mac. & Kindb.					○									
* var. *atrotheca* Ren & Card.								○						
blindii B.S.G.	○			●	●					●		○		
bornholmense Winkelm. & Ruthe	○													
brachyneuron Kindb. *ex* J.M. Mac.														○
* *bryoides* (R.Br.) Wijk & Marg.		○										○		○
caespiticium Hedw.	●	●	●	●	●	●	○	●	●	●	●	●	●	○
calophyllum R.Br.		○			●			○				○	●	●
canariense Brid.	●													
capillare Hedw.	●	●	●		●	●	●	●		●	●		●	
* ssp. *erythroloma* Kindb.	○													
* ssp. *ruraliforme* Kindb.	○													
* var. *barbatum* (C. Jens.) Podp.		○											○	○
* var. *cenomanicum* Podp.	○													
* var. *ferchelii* (Brid.) B.S.G.					○	○								
var. *flaccidum* (Brid.) B.S.G.	○				○	○								
var. *torquescens* (Bruch *ex* De Not.) Husn.					○	○					○			
* *cirrhatum* Hoppe & Hornsch. var. *megalosporum* Kindb. *in* Mac. & Kindb.	○													
creberrimum Tayl.	●	●	●	●	●	●	●	●	●	●	●	●	●	○
cryophilum Mårt.	○					●	○					●	●	●
* *curvatum* Kaur. & Arn.													○	○
* *donianum* Grev.	○													
gemmiparum De Not.	○				●			○						
* *gemmuligerum* Kindb.			○		○									
* *graefianum* Schlieph.														○
* *inclinatum* (Brid.) Bland. ssp. *subinclinatum* (Kindb.) Par.							○						●	●
* f. *neoarcticum* Podp.							○							
klinggraeffii Schimp. *ex* Klinggr.					○									
knowltonii Barnes			●			●	○	●			○			○
laevifilum Syed	○													
* *limprichtii* Kaur.														○
lonchocaulon C. Müll.	○	●	●	●	○	○	○	○		○	○		●	○
longisetum Bland. *ex* Schwaegr.				●			●					○		

	BC	At	Sa	Mb	On	Qu	Lb	Nf	PE	NB	NS	YT	NT	AA
* var. *labradorense* (Philib.) C. Jens.							●							
marratii Hook. & Wils. *ex* Wils.		○						○						
* *meesioides* Kindb. *in* Mac.	●	○				○								
microerythrocarpum C. Müll. & Kindb. *ex* Mac. & Kindb.	●									●	●			
miniatum Lesq.	●				●			●						
muehlenbeckii B.S.G.	○	●			●	●		●			●			
* *neodamense* Itzig. *in* C. Müll.												○		○
nitidulum Lindb.												○		○
pallens (Brid.) Sw. *ex* Röhl.	●	●		○	●	●	●	●		○	○	○	○	○
* var. *alpinum* (B.S.G.) Podp.											○			
pallescens Schleich. *ex* Schwaegr.	●	●	●	●	●	●	●	●		○	●	●	●	○
* var. *laxifolium* Kindb. *in* Mac.		○												
* var. *longifolium* Kindb.		○												
* var. *subrotundum* (Brid.) B.S.G.	○									○				
pseudotriquetrum (Hedw.) Gaertn., Meyer, & Scherb.	●	●	●	●	●	●	●	●		●	●	●	●	●
* ssp. *crispulum* (Roth) C. Jens.														○
var. *bimum* (Schreb.) Lilj.	○	●	●	●		○								○
* var. *compactum* B.S.G.												○		
var. *crassirameum* (Ren. & Card.) Lawt.	○													
* var. *hyalodontium* C. Müll. & Kindb. *in* Mac. & Kindb.	○	○												
purpurascens (R.Br.) B.S.G.		○				●	●	●						○
* var. *autumnale* (Limpr.) C. Jens.								○						○
* var. *opdalense* (Limpr.) C. Jens & Perss. *in* Weim.														○
* *ramosum* (Hook.) Mitt.	○													
ruderale Crundw. & Nyh.					○									
salinum Hag. *ex* Limpr.	○			○		●	●	●		●	●	●	●	○
sawyeri Ren. & Card.						○								
schleicheri Schwaegr.	○	○												
* *stenodon* Kaur. *in* Hag.														○
stenotrichum C. Müll.	○	●	●	●	○	●	○	●	●		●	●	●	●
var. *biddlecomiae* (Aust.) Lawt.		○					○							
tenuisetum Limpr.	○					○				●	●			
teres Lindb.														○
tortifolium Funck *ex* Brid.	○	○			○	○	○	●			●	○	○	○
turbinatum (Hedw.) Turn.	●	●	●		○	○	○				○	○	○	○
uliginosum (Brid.) B.S.G.	○	●	○	●	●	●	●	●		●	●	○		○
violaceum Crundw. & Nyh.	○				○	●					●			
weigelii Spreng.	●	●		●	●	●	●	●		●	●	○	●	○
wrightii Sull. & Lesq.						○		○				●	●	●
Buxbaumia (52)														
aphylla Hedw.	●	●			●	●		●	●	●	●	●		
minakatae Okam.	○?				●			●			●			
piperi Best	●													
viridis (DC.) Moug. & Nestl.	●	●			○?			○?			○?			
Callicladium (49)														
haldanianum (Grev.) Crum	●			●	●	●		●	●	●	●			
Calliergidium (44)														
pseudostramineum (C. Müll.) Grout	●					●	●	○				●	○	○
Calliergon (44)														
cordifolium (Hedw.) Kindb.	●	●	●	●	●	●	●	●	●	●	●	●	●	●
* var. *angustifolium* (Schimp.) Roth	○													○
* var. *latifolium* Karcz.					○	○								

	BC	At	Sa	Mb	On	Qu	Lb	Nf	PE	NB	NS	YT	NT	AA
* f. *laxum* (Röll) Podp.	○				○									
giganteum (Schimp.) Kindb.	●	●	●	●	●	●	●	●	●	●	●	●	●	●
var. *cyclophyllotum* (Holz.) Grout				○		○	○	○					○	○
var. *fluitans* (Klinggr.) Roth	○						○			○	○	○		○
* var. *hystricosum* Roth & Bock	○				○	○								
* var. *immersum* Ruthe *ex* Karcz.	○				○	○								
* var. *pennatum* Karcz.	○													
* var. *tenuis* Karcz.						○								
* f. *crassicostatum* (Mik.) Karcz.			○											
* f. *decurrens* (Mik.) Karcz.					○									
macounii Karcz.												○		
megalophyllum Mik.							○	○					●	
* *obtusifolium* Karcz.			○									○	○	○
orbicularicordatum (Ren. & Card.) Broth.													○	○
richardsonii (Mitt.) Kindb. *ex* Warnst.	●	●	○	●	●	●	●	●	○	○		○	●	●
sarmentosum (Wahlenb.) Kindb.	●	●		●		●	●	●		○		●	●	●
var. *beringianum* (Card. & Thér.) Grout						○								
* var. *crispa* Karcz.							○							
var. *fallaciosum* (Milde) Roth				○		○	○						○	
var. *fontinaloides* (Berggr.) Roth						○						○		○
* var. *subpinnatum* Warnst.						○								
* f. *heterophyllum* H. Arnell & C. Jens.						○								
* f. *homophyllum* H. Arnell & C. Jens.													○	
stramineum (Brid.) Kindb.	●	●	○	●	●	●	●	●	●	●	●	●	●	●
* var. *flagellaceum* (Roth & Bock) Karcz.				○										
* var. *laxifolium* (Kindb.) Karcz.			○	○									○	
* var. *nivale* (Lor.) Roth							○							
* var. *patens* (Lindb.) Roth				○	○	○						○		
* f. *subtrifarium* (Saelan) Warnst.							○							
trifarium (Web. & Mohr) Kindb.	●	●		○	●	●	●	●				○	●	●
* *turgescens* (T. Jens). Kindb. var. *patens* Karcz.				○	○	○								
* var. *tenue* (Berggr.) Karcz.													○	
wickesiae Grout	●					●	●	●						
Calliergonella (44)														
cuspidata (Hedw.) Loeske	●	○?	●		●	●		●	●	●	●		○	
* var. *caespitosum* (Whiteh.) Karcz.	○													
* var. *pungens* (Schimp.) Latz.										○				
* var. *umbrosum* (Loeske) Warnst.	○					○								
* f. *abbreviata* (Röll) Podp.					○						○			
* f. *acuteramosa* Bauer *ex* Karcz.	○													
* f. *brevifolium* (Sanio *in* Warnst.) Podp.											○			
Campylium (44)														
cardotii (Thér.) Broth.						○								
chrysophyllum (Brid.) J. Lange	●	●	●	●	●	●	●	●	●	●	●	●	●	
var. *brevifolium* (Ren. & Card.) Grout					●			●			●			
var. *zemliae* (C. Jens.) Grout						○								
halleri (Hedw.) Lindb.	●	●				●	●	●		●	○	●	○	
hispidulum (Brid.) Mitt.	●	●	●	●	●	●	●	●		●	●	○	●	○
var. *sommerfeltii* (Myr.) Lindb.	○	●		○						○		○?	○	○
polygamum (B.S.G.) C. Jens.	●	●	●	○	●	●	●	●	●	○	●	●	●	○
* var. *longinerve* (Ren. & Card.) Grout	○													
radicale (P. Beauv.) Grout	○	●	○	○	●	○		●		○	●		●	
stellatum (Hedw.) C. Jens.	●	●	●	●	●	●	●	●		●	●	●	●	●
var. *arcticum* (Williams) Sav.-Ljub.											○		○	●
var. *protensum* (Brid.) Bryhn *ex* Grout	○	●				○							○	○

	BC	At	Sa	Mb	On	Qu	Lb	Nf	PE	NB	NS	YT	NT	AA
* *subdecursivulum* (Kindb. *in* Mac. & Kindb.) Kindb.					○									
Campylopus (9)														
atrovirens De Not.	●				○			●						
flexuosus (Hedw.) Brid.	●													
fragilis (Brid.) B.S.G.	●													
schwarzii Schimp.	●													
subulatus Schimp. *ex* Milde	●							○						
var. *schimperi* (Milde) Husn.	○					●		○						
Campylostelium (27)														
saxicola (Web. & Mohr) B.S.G.									●		●			
Catoscopium (24)														
nigritum (Hedw.) Brid.	●	●	●	●	●	●	●	●		●		●	●	●
Ceratodon (6)														
heterophyllus Kindb. *ex* J. M. Mac.						●						○		○
purpureus (Hedw.) Brid.	●	●	●	●	●	●	●	●	●	●	●	●	●	●
* var. *aristatus* Aust.						○	○							
var. *conicus* (Hampe *ex* C. Müll.) Husn.	●					○					○			
var. *dimorphus* (Philib.) Mönk. *ex* Geh.		○												
var. *xanthopus* Sull. & Lesq. *ex* Lesq. & James	●													
Cinclidium (21)														
arcticum (B.S.G.) Schimp.				●							●	●	●	●
latifolium Lindb.				●	●	●						○	●	●
stygium Sw.	●	●	●	●	●	●	●	●			○	●	●	○
subrotundum Lindb.	●					●	●	○			○	●	●	●
Cirriphyllum (45)														
cirrosum (Schwaegr. *ex* Schultes) Grout	●	●		○							○	●	●	●
* *crassinervium* (Tayl.) Loeske & Fleisch.						○								
piliferum (Hedw.) Grout					●	○	●	●		●	●			
* *tenuinerve* (Lindb.) Wijk & Marg.		○		○		○								
Claopodium (43)														
bolanderi Best	●	●												
crispifolium (Hook.) Ren. & Card.	●													
pellucinerve (Mitt.) Best	●											○		
whippleanum (Sull.) Ren. & Card.	●													
var. *leuconeuron* (Sull. & Lesq.) Grout	○													
Climacium (30)														
americanum Brid.	○?				●	○		○		○	●			
* var. *kindbergii* Ren. & Card.					●	○					●			
dendroides (Hedw.) Web. & Mohr	●	●	●	●	●	●	●	●	●	●	●	●	○	
* var. *oregonensis* Ren. & Card.												○		
Cnestrum (9)														
alpestre (Wahlenb.) Nyh.		●										●	○	
schistii (Wahlenb.) Hag.	●	●	●		●	●		○				●		○
Conostomum (25)														
tetragonum (Hedw.) Lindb.	●	●				●	●	●				●	●	●
Cratoneuron (44)														
* *arcticum* Steere												○		●

	BC	At	Sa	Mb	On	Qu	Lb	Nf	PE	NB	NS	YT	NT	AA
commutatum (Hedw.) Roth	○	●			○	○		○		○		●	●	
var. *falcatum* (Brid.) Mönk.	●	●			●	●	●	●			●	●	●	
* var. *sulcatum* (Lindb.) Mönk.								○						
decipiens (De Not.) Loeske	○													
filicinum (Hedw.) Spruce	●	●	●	●	●	●	●	●		●	●	●	●	●
var. *aciculinum* (C. Müll. & Kindb.) *ex* Mac. & Kindb.) Grout	○									○				
* var. *fallax* (Brid.) Roth					○									
* var. *filiforme* (Par.) Wijk & Marg.												○		
williamsii Grout	○	●										●		
Crumia (12)														
latifolia (Kindb. *ex* Mac.) Schof.	●													
Cryphaea (33)														
glomerata B.S.G. *ex* Sull.					○?									
Ctenidium (49)														
molluscum (Hedw.) Mitt.	●				●	○		○	○	○	●			○
* var. *condensatum* (Schimp.) Britt.						○								
Cynodontium (9)														
* *fallax* Limpr.								○						
* *glaucescens* (Lindb. & H. Arnell) Kindb.													○	
jenneri (Schimp. *ex* Howie) Stirt.	●							●				○		
* *polycarpum* (Hedw.) Schimp.	○				○	○	○	●	○	○	○	○		○
strumiferum (Hedw.) Lindb.	●	●	●	●	●	●	●	●		●	●	●	●	
tenellum (B.S.G.) Limpr.	●	●	●	●	●	●	●	●		●	●	●	●	●
Cyrtomnium (21)														
hymenophylloides (Hüb.) Kop.	●	●		●		●	○	●		●	●	●	●	●
hymenophyllum (B.S.G.) Kop.	●					○	○					●	●	●
Dendroalsia (33)														
abietina (Hook.) Britt.	●													
Desmatodon (12)														
cernuus (Hüb.) B.S.G.	●	○	●	○	●	●		●		●	●	●	○	●
* var. *xanthopus* Kindb.				○										
ellesmerensis Brass.														●
heimii (Hedw.) Mitt.	●	●	●	●	○	●	●	●		●		●	○	●
var. *arctica* (Lindb.) Crum					●							○	●	●
latifolius (Hedw.) Brid.	●	●				○	●	●			○	●		●
* var. *muticus* (Brid.) Brid.		●				○								○
laureri (Schultz) B.S.G.	○	○											●	●
leucostoma (R.Br.) Berggr.		●					○					●	○	●
obtusifolius (Schwaegr.) Schimp.	●	●	○	●	●	●				●	●		○	
porteri James *ex* Aust.					●	●								
randii (Kenn.) Laz.		●									●			
systylius Schimp.		○		○		●		●				●	●	○
Dichelyma (29)														
capillaceum (With.) Myr.				○	●	●	○	○		●	●			
falcatum (Hedw.) Myr.		●		●	●	●	●	●		○		○		
pallescens B.S.G.					●	●		●		●	○			
uncinatum Mitt.	●				○									
Dichodontium (9)														
olympicum Ren. & Card.	●	●												
pellucidum (Hedw.) Schimp.	●	●			●	●	●	●	●	●	●	●	○	○
* var. *fagimontanum* (Brid.) Schimp.	○													

	BC	At	Sa	Mb	On	Qu	Lb	Nf	PE	NB	NS	YT	NT	AA
* var. *flavescens* (With.) Moore	●					○	○							
Dicranella (9)														
cerviculata (Hedw.) Schimp.	●			○	●	●	●	●	●	●	●	●	●	○
crispa (Hedw.) Schimp.	●	●		●		○	●			○		●	●	○
grevilleana (Brid.) Schimp.	●	●		●	●	●	●	●		●	○	●	●	
heteromalla (Hedw.) Schimp.	●	●	○	●	●	●		●	●	●	●			○
pacifica Schof.	●													
palustris (Dicks.) Crundw. *ex* Warb.	●	●			○	●	●	●		●	●	●	○	
rufescens (With.) Schimp.	●				○	●			●	●	●	○		
schreberiana (Hedw.) Schimp.	●	●		○	●	●	○	●		○	○		●	
var. *robusta* Schimp. *ex* Braithw.	●	○			●	●				●	●			
stickinensis Grout	○													
subulata (Hedw.) Schimp.	●	●			○	●	●	●	●	●	●	●		
varia (Hedw.) Schimp.	●	●	○	●	●	●		○		●	●	●		
Dicranodontium (9)														
asperulum (Mitt.) Broth.	●										○			
denudatum (Brid.) Britt. *ex* Williams	●				○	○		●		○	○		○	
uncinatum (Harv. *ex* Hook.) Jaeg. & Sauerb.	●													
Dicranoweisia (9)														
cirrata (Hedw.) Lindb. *ex* Milde	●		●			○	○						●	
crispula (Hedw.) Lindb. *ex* Milde	●	●		●	●	●	●	●			●	●	●	●
var. *contermina* (Ren. & Card. *ex* Holz.) Grout	○	○										○		
var. *roellii* (Kindb. *ex* Röll) Lawt.	○													
Dicranum (9)														
acutifolium (Lindb. & H. Arnell) C. Jens. *ex* Weinm.	○	●			●	●	○	●				●	●	●
augustum Lindb.	●	●	●	○	○	●	●	●				●	●	●
bonjeanii De Not. *ex* Lisa	○	●	●	●	●	●	●	●	●	○	●	○		○
* ssp. *columbiae* (Kindb.) Kindb. *in* Mac. & Kindb.	○													
* var. *roellii* Barnes *in* Röll	○													
condensatum Hedw.					●	●	○			●	●			
elongatum Schleich. *ex* Schwaegr.	●	●	●	●	●	●	●	●			○	●	●	●
* ssp. *attenuatum* Kindb.		○					○							
* ssp. *subfragilifolium* Kindb.								○						
flagellare Hedw.	●	●	●	●	●	●	●	●	●	●	●			
var. *minutissimum* Grout											●			
fragilifolium Lindb.	●	●	●	●	●	●	●					●	●	
fulvum Hook.					●	●	○?	○		●	●			
fuscescens Turn.	●	●	●	●	●	●	●	●	●	●	●	●	●	●
* ssp. *subbrevifolium* Kindb.	○	○												
var. *congestum* (Brid.) Husn.	○	●			○	○	○	○			○	○		
groenlandicum Brid.	●	●		●	●	●	●	●			○	●	●	●
howellii Ren. & Card.	●								●?					
* var. *trachyneuron* (Kindb.) Kindb.					○									
* *latifolium* Amann												●		
leioneuron Kindb.	●				●	●	●	●	●		●			
majus Sm.	●	●			●	●	●	●	●	●	●	●	●	○
var. *orthophyllum* A. Braun *ex* Milde						●				○		●		
montanum Hedw.	●			○	●	●	●	●	●	●	●		●	
muehlenbeckii B.S.G.	●	●		●	●	●	●	○		○	○	●	○	○
var. *cirratum* (Schimp.) Lindb.	●	○				○						●		○
* var. *neglectum* (De Not.) Pfeff.							○							
ontariense Peterson	●?	●	●	●	●	●		●	●	●	●		○	
pallidisetum (Bail. *ex* Holz.) Irel.	●	●												

	BC	At	Sa	Mb	On	Qu	Lb	Nf	PE	NB	NS	YT	NT	AA
polysetum Sw.	●	●	●	●	●	●	○	●	●	●	●	●	●	
* *sauteri* B.S.G. var. *pachytrichum* Kindb. *in* Mac. & Kindb.	○													
scoparium Hedw.	●	●	●	●	●	●	●	●	●	●	●	●	●	●
* ssp. *involutum* Kindb. *in* Röll.	○													
* var. *nigrescens* Györf.										○				
* var. *orthophyllum* Brid.							○				○			
spadiceum Zett.	○	●			●	●	●	●			○	○	●	○
spurium Hedw.					●	●		●	●		●			
tauricum Sapeh.	●	●	●	○	○	○	○			○				
undulatum Brid.	●	●	●	●	●	●	●	●	●	●	●	●	●	○
* spp. *ontariense* Kindb.					○									
viride (Sull. & Lesq. *ex* Sull.) Lindb.	○	○	●		●	●		●	●	●	●			
* var. *laeve* Ren. & Card.								○						
Didymodon (12)														
asperifolius (Mitt.) Crum, Steere, & Anders.						●		●				●	●	●
columbianus Herm. & Lawt.													○	
johansenii (Williams) Crum		●										●	●	○
* *montanus* (Mitt.) Broth.												○		
* *parvulus* (Kindb.) Britt. *in* Williams	○													
rigidulus Hedw.	●	●			●	●		●		●	●	○	●	○
* *spadiceus* (Mitt.) Limpr.	○													
tophaceus (Brid.) Lisa	●	●			●	●						○	○?	
Diphyscium (52)														
foliosum (Hedw.) Mohr	●				●	●		●	●	●	●			
Discelium (14)														
nudum (Dicks.) Brid.	●	●			●	●		○			○		●	
Distichium (6)														
capillaceum (Hedw.) B.S.G.	●	●	●	●	●	●	●	●		●	●	●	●	●
hagenii Ryan *ex* Philib.				○	○	○		○				●	●	●
inclinatum (Hedw.) B.S.G.	●	●	○	●	●	●	●	●		●	○	●	●	●
Ditrichum (6)														
ambiguum Best	●		○			○								
flexicaule (Schwaegr.) Hampe	●	●	●	●	●	●	●	●		●	●	●	●	●
* var. *densum* (B.S.G.) Braithw.	○	○												
* var. *sterile* (De Not.) Limpr.	●							○					○	
* f. *brevifolium* (Kindb.) Grout		○			○									
* f. *estellae* Hab.										○				
* f. *macounii* Monk.	○													
heteromallum (Hedw.) Britt.	●					○					○	○		
lineare (Sw.) Lindb.					●	●	●	●	●	●	●			
montanum Leib.	●	●												
pallidum (Hedw.) Hampe					●	●				●	●			
pusillum (Hedw.) Hampe	●		●		●	●	●	●	●	●	●			
* var. *tortile* (Schrad.) Hag.					○			○		○	○			○
rhynchostegium Kindb.									●		●			
schimperi (Lesq.) Kuntze	●													
zonatum (Brid.) Kindb.	●													
var. *scabrifolium* Dix.	●													
Drepanocladus (44)														
aduncus (Hedw.) Warnst.	●	●	●	●	●	●	●	○	●	●	●	●	●	●
* var. *aquaticus* (Sanio) Ren.					○					○	○			
* var. *intermedius* (Schimp.) Roth					○									
var. *kneiffii* (B.S.G.) Mönk.	○	●	●	●	●	●	●	●		○	●	○	●	○

	BC	At	Sa	Mb	On	Qu	Lb	Nf	PE	NB	NS	YT	NT	AA
* var. *paternus* (Sanio) Jel.					○									
var. *polycarpus* (Bland. *ex* Voit) Roth		●	●	●		○	○					○	●	○
* var. *polycarpus* f. *gracilescens* (B.S.G.) Mönk.		●	●	●	○									
* f. *laxus* Husn.												○		
badius (C.J. Hartm.) Roth	●			●	●	●	●	●				●	●	○
berggrenii (C. Jens.) Roth														○
capillaceus (Mitt.) Broth.													○?	
capillifolius (Warnst.) Warnst.	●	●			●	●					○	○		
* f. *fallax* Ren.					○									
exannulatus (B.S.G.) Warnst.	●	●	●	●	●	●	●	●	●	●	●	●	●	●
* var. *polaris* Bryhn														○
* var. *purpurascens* (Schimp.) Herz.	○													
* var. *rotae* (De Not.) Loeske	○				○	○	○							
* var. *serratus* (Milde) Loeske											○			
* f. *brachydictyus* (Ren.) Smirn.		○					○							
* f. *falcifolius* Ren.							○							
* f. *orthophyllus* (Milde) Mönk.							○							
* f. *submersus* Mönk.							○							
fluitans (Hedw.) Warnst.	●	●	●	●	●	●	●	●	●	●	●	●	●	○
* var. *gracilis* Warnst.							○				○			
* var. *jeanbernati* (Ren.) Warnst.							○				○			
* var. *submersus* (Schimp.) Loeske											○			
var. *uncatus* Crum, Steere, & Anders.	○			●	○									
* f. *setiformis* (Ren.) Mönk.							○							
* *jamesii-macounii* (Kindb.) Grout					○									
* *lapponicus* (Norrl.) Smirn.													●	
* *latifolius* (Lindb. & H. Arnell) Warnst.														○
lycopodioides (Brid.) Warnst.					○	○					○	○		○
var. *brevifolius* (Lindb.) Mönk.		●				●	●					●	●	●
procerus (Ren. & H. Arnell *ex* Husn.) Warnst.	○				○			●						
revolvens (Sw.) Warnst.	●	●	●	●	●	●	●	●		●	●	●	●	●
* var. *intermedius* (Lindb. *ex* C. Hartm.) Grout	○				●			●				○	●	○
sendtneri (Schimp.) Warnst.	○	●	○	○	●	○	○	○		○	○	●	●	○
var. *wilsonii* (Schimp.) Warnst.			○									○		
trichophyllus (Warnst.) Podp.												○	○	
* *tundrae* (H. Arnell) Loeske	●	○			○							○	○	○
uncinatus (Hedw.) Warnst.	●	●	●	●	●	●	●	●	●	●	●	●	●	●
* var. *alpinus* (Ren.) Warnst.											○			
* var. *gracilescens* (B.S.G.) Warnst.											○			
* var. *gracillimus* (Berggr.) Størm.											○			
var. *plumosus* (Schimp.) Warnst.		○		○	○		○				○			
var. *plumulosus* (B.S.G.) Warnst.											○	○		
var. *subjulaceus* (B.S.G.) Warnst.						○	○							
var. *symmetricus* (Ren. & Card.) Grout	●				●		○							
vernicosus (Lindb. *ex* C. Hartm.) Warnst.	●	●	●	●	●	●	○	●	●	●	●	●	●	●
Drummondia (28)														
prorepens (Hedw.) Britt.					●	●					●			
Dryptodon (13)														
patens (Hedw.) Brid.	●	●						●						
Encalypta (11)														
affinis Hedw. *f.*	●	●			○	○				○		●	○	○
alpina Sm.	●	●		●		●	○					●	●	●
brevicolla (B.S.G.) Bruch *ex* Ångstr.	●	●		○		●	●					●	●	●

	BC	At	Sa	Mb	On	Qu	Lb	Nf	PE	NB	NS	YT	NT	AA
* *brevipes* Schljak.												●		
ciliata Hedw.	●	●		○	●	●	●	●		●	●	●	○	○
var. *pilifera* Amann					○									
longicolla Bruch	●											●	○	
* *mutica* Hag.		●										●		
procera Bruch	●	●	●	●	●	●	○	●		●	●	●	●	●
rhaptocarpa Schwaegr.	●	●	●	●	●	●	●	●				●	●	●
var. *subspathulata* (C. Müll. & Kindb. *ex* Mac. & Kindb.) Flow.	○	●	○			○								
vulgaris Hedw.	●	●	●	●	○	○		○				●	●	●
Entodon (46)														
brevisetus (Hook. & Wils. *ex* Wils.) Lindb.		○						○		●				
challengeri (Par.) Card.					○									
cladorrhizans (Hedw.) C. Müll.		●		○	●	●				○	○		●	
concinnus (De Not.) Par.	●	●						●				●	●	
* *expallens* C. Müll. & Kindb. *in* Mac. & Kindb.		○												
seductrix (Hedw.) C. Müll.					●	○								
var. *minor* Aust. *ex* Grout						○								
sullivantii (C. Müll.) Lindb.					○									
Entosthodon (16)														
* *fascicularis* (Hedw.) C. Müll.	●													
leibergii Britt.	○?													
Ephemerum (15)														
cohaerens (Hedw.) Hampe					●									
crassinervium (Schwaegr.) Hampe					●									
serratum (Hedw.) Hampe			○		●						●			
* var. *angustifolium* (B.S.G.) B.S.G.			○			○								
spinulosum Bruch & Schimp. *ex* Schimp.					●	●								
Epipterygium (20)														
tozeri (Grev.) Lindb.	●					○?								
Eucladium (12)														
verticillatum (Brid.) B.S.G.	●				●			○					○	
Eurhynchium (45)														
* *crassinervium* (Tayl.) B.S.G. var. *laxorete* Kindb. *in* Mac. & Kindb.										○				
* *dawsonii* Kindb.	○													
hians (Hedw.) Sande Lac.					●	●				○	●			
pulchellum (Hedw.) Jenn.	●	●	●	●	●	●	●	●	●	●	●	●	●	●
var. *barnesii* (Ren. & Card.) Crum, Steere & Anders.	●	○												
* var. *diversifolium* (B.S.G.) C. Jens.	○	○			○									○
* var. *praecox* (Hedw.) Dix.	○					○								
riparioides (Hedw.) Rich.	●			●	●	●	●	●		●	●			
* *rusciforme* Milde var. *complanatum* H. Schultz *ex* Limpr.											○			
* *speciosum* (Brid.) Jur.											○			
Fabronia (41)														
pusilla Raddi	●													
Fissidens (4)														
adiantoides Hedw.	●	●			●	●	●	●		●	●	●	●	●

	BC	At	Sa	Mb	On	Qu	Lb	Nf	PE	NB	NS	YT	NT	AA
* var. *brachyphyllus* Kindb. *in* Mac. & Kindb.					○									
aphelotaxifolius Pursell	●													
arcticus Bryhn												●	●	●
bryoides Hedw.	●	●	○		●	●			●	●	●	●		
bushii (Card. & Thér.) Card & Thér.					●	●					●			
cristatus Wils. *ex* Mitt.					●	●		●		●	●			
* f. *immarginatus* Hab.										○				
exiguus Sull.	○				●	●			●	●	○		○	○
exilis Hedw.						●								
fontanus (B.-Pyl.) Steud.					●									
garberi Lesq. & James					○									
grandifrons Brid.	●	●			●									
limbatus Sull.	●	●												
obtusifolius Wils.					●	○								
osmundoides Hedw.	●	●		○	●	●	●	●		●	●	●	●	●
* var. *obliquus* Kindb.					○									
pauperculus Howe	●													
ravenelii Sull.					○									
subbasilaris Hedw.					●	○								
taxifolius Hedw.					●	●					●		●	
ventricosus Lesq.	●													
viridulus (Sw.) Wahlenb.	●				●	●	●	●	●	●	○		●	○
Fontinalis (29)														
antipyretica Hedw.	●	●		○	●	●	○	●		○	●			
* var. *gigantea* (Sull.). Sull.	●				●	●	●	●	●	●	●			
var. *mollis* (C. Müll. *ex* Röll) Welch	●													
var. *oregonensis* Ren. & Card.	●													
dalecarlica Schimp. *ex* B.S.G.		●	○	●	●	●	●	●		●	●			
var. *macounii* Card. *ex* Ren. & Card.		○	○											
flaccida Ren. & Card.	○				○			●			●			
howellii Ren. & Card.	●	○			●	○					○			
hypnoides C.J. Hartm.	●	●	●	○	●	●					●		○	
var. *duriaei* (Schimp.) Husn.	○	●	●	●	●	●				●				
macmillani Card.				○										
missourica Card.						○								
neomexicana Sull. & Lesq.	●	●									○	●		
novae-angliae Sull.	○	○		●	●	●		●		●	●			
var. *cymbifolia* (Aust.) Welch						○		○						
var. *latifolia* Card. *ex* Nich.						○								
pastula Card.	○													
sphagnifolia (C. Müll.) Wijk & Marg.					●						○			
* *squamosa* Hedw.					○									
sullivantii Lindb.	○?				○	○					●			
Forsstroemia (33)														
trichomitria (Hedw.) Lindb.					●						○			
Funaria (16)														
americana Lindb.	○?	○												
arctica (Berggr.) Kindb.												●		●
flavicans Michx.					●						○			
hygrometrica Hedw.	●	●	●	●	●	●	●	●	●	●	●	●	●	●
var. *calvescens* (Schwaegr.) Mont.										○				
microstoma Bruch *ex* Schimp.								○					○	●
* f. *canadensis* Grout								○						
muhlenbergii Hedw. *f. ex* Turn.	●	○										○		
polaris Bryhn												●		●
Geheebia (12)														
gigantea (Funck) Boul.	●													●

	BC	At	Sa	Mb	On	Qu	Lb	Nf	PE	NB	NS	YT	NT	AA
Gollania (50)														
turgens (C. Müll.) Ando												○		
Grimmia (13)														
affinis Hoppe & Hornsch. *ex* Hornsch.	○	●	●	●	●	●	●			●	●	●	●	●
agassizii (Sull. & Lesq. *ex* Sull.) Jaeg. & Sauerb.	●	○			●	●	●	●		●	●	●	●	
alpicola Hedw.	●	●	●	●	●	●	●		●	●	●	●	●	○
var. *dupretii* (Thér.) Crum	○				●	●								
var. *latifolia* (Zett.) Möll.	○	●				○	●			○			○	○
var. *rivularis* (Brid.) Wahlenb.	●	●	○		●	●	●	●		●	●	○	●	●
* var. *rivularis* f. *papillosa* G. Jones *in* Grout						○				○				
anodon B.S.G.	○	●	●		●					●		●	●	●
apocarpa Hedw.	●	●	●	●	●	●	●	●		●	●	●	●	●
var. *ambigua* (Sull.) G. Jones		○			●	●				●	●			
* var. *canadensis* Dupret						○								
var. *conferta* (Funck) Spreng.	●	●	●			○						○		○
* var. *conferta* f. *obtusifolia* (Schimp.) Mönk.						○								
var. *nigrescens* Mol.						○					○			○
var. *pulvinata* (Hedw.) G. Jones		●				○				○		●		○
var. *stricta* (Turn.) Hook. & Tayl.	●	●	●	○	●	●	●	●		●	●	●	●	○
* *arctolimnia* Steere													●	
* *arctophila* Kindb.						○								
* ssp. *labradorica* Kindb.						○								
* *arcuatifolia* Kindb.	○													
atrata Miel. *ex* Hornsch.							●							
atricha C. Müll. & Kindb. *ex* Mac. & Kindb.	●	●												
calyptrata Hook. *ex* Drumm.	●	●										○		
cribrosa Hedw.	●				●	●	●							●
* *decipiens* (Schultz) Lindb. *in* C. Hartm.	●													
donniana Sm.	○	●	○		○	●	●							
* var. *manniae* (C. Müll.) Wijk & Marg.	○													
* *elata* Kindb.												○		
elatior Bruch *ex* Bals. & De Not.	○	○										○		
* *elongata* Kaulf. *in* Sturm		○				○								●
funalis (Schwaegr.) B.S.G.							●							○
hartmanii Schimp.						○								
var. *anomala* (Hampe *ex* Schimp.) Mönk.	●	●			●						●			
heterophylla Kindb. *ex* Mac. & Kindb.	○	○												
incurva Schwaegr.	○											○		
laevigata (Brid.) Brid.	○													
* *leibergii* Par.	○													
maritima Turn.	●				●	●	●	●		●	●			
mollis B.S.G.	●					●						●		
montana B.S.G.	○	●												
olneyi Sull.					●	●		○			●			
olympica Britt. *ex* Frye	●													
ovalis (Hedw.) Lindb.	○				○	●	●	○				○		●
* *pachyneurula* C. Müll. & Kindb. *in* Mac. & Kindb.	○													
pilifera P. Beauv.		○			●	●					○			
plagiopodia Hedw.	○	●	●		●									○
* *pseudorivularis* Kindb.	○				○	○								
* ssp. *lancifolia* Kindb.		○				○								
pulvinata (Hedw.) Sm.	●	○			●									○
tenera Zett.	●	○		○								●	●	○
tenerrima Ren. & Card.	○	●				●	●	●					○	○

	BC	At	Sa	Mb	On	Qu	Lb	Nf	PE	NB	NS	YT	NT	AA
teretinervis Limpr.	○				●	●								
torquata Hornsch. *ex* Grev.	●	●			●	●	●	●				●	○	●
trichophylla Grev.	●	●				●		●						
unicolor Hook. *ex* Grev.	○				●	●	○	●					○	
wrightii (Sull.) Aust.		●												
Gymnostomum (12)														
aeruginosum Sm.	●	●		○	●	●	○	●	●	●	●		●	○
calcareum Nees, Hornsch., & Sturm				○		○		○					●	
recurvirostrum Hedw.	●	●			●	●	●	●		●	●	●	●	●
var. *commutatum* (Mitt.) Grout						○		○			○			
var. *latifolium* (Zett.) Flow. *ex* Crum					●	●				●				
Gyroweisia (12)														
reflexa (Brid.) Schimp.					●									
tenuis (Hedw.) Schimp.				○	●						○		●	
Habrodon (41)														
leucotrichus (Mitt.) Perss.	●													
Haplocladium (43)														
microphyllum (Hedw.) Broth.	○?	●	●	●	●	●		○		●	●			
virginianum (Brid.) Broth.		●	●		○	○					●			
Haplohymenium (43)														
triste (Ces. *ex* De Not.) Kindb.					●	●				●	●			
Hedwigia (32)														
ciliata (Hedw.) P. Beauv.	●	●	●	●	●	●	●	●		●	●	●	○	
* var. *leucophaea* B.S.G.	○													
* f. *secunda* (B.S.G.) G. Jones *in* Grout					○									
* f. *viridis* (B.S.G.) G. Jones *in* Grout				○	○	○					○			
Helodium (43)														
blandowii (Web. & Mohr) Warnst.	●	●	●	●	●	●	●	●	●	●	●	○	●	
paludosum (Sull.) Aust.					●	●					○			
Herzogiella (49)														
adscendens (Lindb.) Iwats. & Schof.	●													
seligeri (Brid.) Iwats.	●	●						○		○	○			
striatella (Brid.) Iwats.	●			○	●	●	●	●	●	●	●			○
turfacea (Lindb.) Iwats.	○	●	●	○	●	●	●	●	●	●	●			
Heterocladium (43)														
dimorphum (Brid.) B.S.G.	●	●			●	●	●	●	●	●	●	●		
macounii Best	●													
procurrens (Mitt.) Rau & Herv.	●													
Heterophyllium (48)														
affine (Hook.) Fleisch.						○				○				
Homalia (36)														
trichomanoides (Hedw.) B.S.G.	●				●	●	●	●	●	●	●			
Homalotheciella (45)														
subcapillata (Hedw.) Broth.											○			
Homalothecium (45)														
aeneum (Mitt.) Lawt.	●	○												
arenarium (Lesq.) Lawt.	●													
fulgescens (Mitt. *ex* C. Müll.) Lawt.	●													

	BC	At	Sa	Mb	On	Qu	Lb	Nf	PE	NB	NS	YT	NT	AA
megaptilum (Sull.) Robins.	●													
nevadense (Lesq.) Ren. & Card.	●	●			O?									
nuttallii (Wils.) Jaeg. & Sauerb.	●													
pinnatifidum (Sull. & Lesq.) Lawt.	●	O												
* *sericeum* (Hedw.) B.S.G.	O?	O?						●						
Homomallium (49)														
adnatum (Hedw.) Broth.		O	O		●	●				●	●			
Hookeria (38)														
acutifolia Hook. & Grev.	●													
lucens (Hedw.) Sm.	●													
Hygroamblystegium (44)														
fluviatile (Hedw.) Loeske				●	●	●		O		●	●			
noterophilum (Sull. & Lesq. *ex* Sull.) Warnst.	O				●	O					O	O		
tenax (Hedw.) Jenn.	●	●	●	●	●	●		●	●	●	●			
Hygrohypnum (44)														
alpestre (Hedw.) Loeske	●	●		●	●	●	●	●			O?	O?	●	●
* *alpinum* (Lindb.) Loeske	●						O?							
bestii (Ren. & Bryhn *ex* Ren.) Holz. *ex* Broth.	●	●				●				●	●	●		
cochlearifolium (Vent. *ex* De Not.) Broth.	●					O?						●		●
* *dilatatum* (Wils. *ex* Schimp.) Loeske	●					●	●	●		●	●			
eugyrium (B.S.G.) Loeske	O?				●	●		●		●	●		O	
luridum (Hedw.) Jenn.	●	●	●	●	●	●	●	●		●	●	●	●	●
var. *julaceum* (B.S.G.) Podp.	O													
var. *subsphaerocarpon* (Schleich. *ex* Brid.) C. Jens.	O													
molle (Hedw.) Loeske	●	O?			O?	O?				O?	O?	O?		
montanum (Lindb.) Broth.					O?	●		O?		●	●			
* *norvegicum* (B.S.G.) Amann	●													
ochraceum (Turn. *ex* Wils.) Loeske	●	●			●	●	●	●	●	●	●	●	●	O?
var. *uncinatum* (Milde) Loeske						O								
polare (Lindb.) Loeske	●					●	●				O?	●	●	●
smithii (Sw. *ex* Lilj.) Broth.	●	●			O?	●		●			●			
* *styriacum* (Limpr.) Broth.	●	●										●		
subeugyrium (Ren. & Card.) Broth.	O?				●	●		●		O?	●			
Hylocomium (51)														
brevirostre (Brid.) B.S.G.					●	O		●		●	●			
pyreniacum (Spruce) Lindb.	●	●			●	●	●	●		●	●	●		
splendens (Hedw.) B.S.G.	●	●	●	●	●	●	●	●	●	●	●	●	●	O
* var. *compactum* (Lesq. & James) Mac. & Kindb.							O							
var. *obtusifolium* (Geh.) Par.	O	●		O		●	●						O	●
umbratum (Hedw.) B.S.G.	●				●	●	●	●	●	●	●			
Hyophila (12)														
involuta (Hook.) Jaeg. & Sauerb.					●									
Hypnum (49)														
* *aemulans* Breidl.												O	●	
bambergeri Schimp.	●	●	●	●	O	●		●			O	●	●	●
callichroum Funck *ex* Brid.	●	●				●	O	O		O	O	●	●	●
* *cariosum* Roy *in* Aust.					O									
circinale Hook.	●							O						
cupressiforme Hedw.	●	●	●	●	●	●	●	●	●	O	●	●	●	●
* var. *brevisetum* Schimp.												O		

	BC	At	Sa	Mb	On	Qu	Lb	Nf	PE	NB	NS	YT	NT	AA
var. *filiforme* Brid.							●	●	●	●	●			
* var. *lacunosum* Brid.	○							○						
var. *resupinatum* (Wils.) Schimp.	●					○		○		○				
var. *subjulaceum* Mol.					○	○								
curvifolium Hedw.	○?	○?			●	●		●		●	●			
dieckii Ren. & Card. *ex* Röll	●				○	○		○			○			○
fertile Sendtn.	○?			●	●	●	●	●	●	●	●			
geminum (Mitt.) Lesq. & James	○													
hamulosum B.S.G.	●	●	○	●	●	●	○	○			○	○	●	●
imponens Hedw.	○?				●	●	●	●	●	●	●	○?		
lindbergii Mitt.	●	●	●	●	●	●	●	●	●	●	●	●	●	○
* *molluscum* Hedw. var. *molluscoides* (Par.) Grout								○						
* *obsoletinerve* Kindb.	○													
pallescens (Hedw.) P. Beauv.	●	●	●	●	●	●	○	●	●	●	●	○		○
* var. *protuberans* (Brid.) Aust.	○				●	●		●	●	●	●			
plicatulum (Lindb.) Jaeg. & Sauerb.	●				○	●	●	●				●		●
pratense Koch *ex* Brid.	●	●	○	●	●	●		●		●	○	●	●	●
procerrimum Mol.	●	●						●				●	●	●
recurvatum (Lindb. & H. Arnell) Kindb.	●	●	●	●	●	○	●	●		●	○	●	●	○
revolutum (Mitt.) Lindb.	●	●	●	●	●	●	●	●			○	●	●	●
* var. *dolomiticum* (Milde) Mönk.		○												
subimponens Lesq.	●				○?			○?		○?		●	●	○?
var. *cristulum* Kindb. *ex* Mac.	○													
* *subreptile* Par.					○									
vaucheri Lesq.	●	●	●	○	●	●	●	●			○	●	●	●
Hypopterygium (39)														
fauriei Besch.	●													
Isopterygiopsis (49)														
muelleriana (Schimp.) Iwats.	●				●	●	●	●		●	●	●	○	
Isopterygium (49)														
distichaceum (Mitt.) Jaeg. & Sauerb.					●	●				●	●			
elegans (Brid.) Lindb.	●				●	●	●	●	●	●	●			
pulchellum (Hedw.) Jaeg. & Sauerb.	●	●	●	○	●	●	●	●		●	●	●	●	●
tenerum (Sw.) Mitt.						○?					●			
Isothecium (45)														
* *brachycladon* Kindb.	○													
cristatum (Hampe) Robins.	●													
eumyosuroides Dix.	○?				●		●	●		●	●			
stoloniferum Brid.	●					○					○			
* var. *cardotii* (Kindb.) Wijk & Marg.	○													
* var. *myurellum* (Kindb.) Wijk & Marg.	○													
Kiaeria (9)														
blyttii (Schimp.) Broth.	●	●			●	○	●	●			●	○	●	●
falcata (Hedw.) Hag.	●	○										○		
* var. *pumila* (Saut.) Podp.							○							
glacialis (Berggr.) Hag.				○		●	●					●	●	
starkei (Web. & Mohr) Hag.	●	●		●		●	●	●			●	●		○
Leptobryum (20)														
pyriforme (Hedw.) Wils.	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Leptodictyum (44)														
brevipes (Card. & Thér. *ex* Holz.) Broth.				●		○								
riparium (Hedw.) Warnst.	●	●	●	●	●	●	●	●	●	●	●	○	●	
* var. *abbreviatum* (B.S.G.) Grout						○					○			

	BC	At	Sa	Mb	On	Qu	Lb	Nf	PE	NB	NS	YT	NT	AA
* var. *elongatum* (B.S.G.) Warnst.						○								
* var. *longifolium* (Schultz) Warnst.					○	○	○				○			
* f. *fluitans* (Lesq. & James) Grout	○		○		○									
* f. *obtusum* (Grout) Grout						○								
trichopodium (Schultz) Warnst.	○	○			●	○		○						
* var. *curvipes* (B.S.G.) Broth.	○													
* var. *kochii* (B.S.G.) Broth.		●	●	●	●	●		●	●	●	●			
vacillans (Sull.) Broth.					●	○					○			
Leptodontium (12)														
excelsum (Sull.) Britt.											○?			
Lescuraea (42)														
atricha (Kindb. *ex* Mac. & Kindb.) Lawt.	●													
baileyi (Best & Grout *ex* Grout) Lawt.	●													
incurvata (Hedw.) Lawt.	●	●											○	
var. *tenuiretis* (Culm.) Lawt.		●												
julacea Besch. & Card. *ex* Card.	●													
patens (Lindb.) H. Arnell & C. Jens.	●	●		○	○		○	●			●			○
radicosa (Mitt.) Mönk.	●	●				●	●	●				●		
var. *compacta* (Best) Lawt.	○	●				○	○					●		
var. *denudata* (Kindb. *ex* Mac. & Kindb.) Lawt.	○	●												
var. *pallida* (Best) Lawt.	○													
* f. *holzingeri* (Best) Lawt.	○													○
saxicola (B.S.G.) Mol. *ex* Lor.	○	○				●	●					○		
stenophylla (Ren. & Card *ex* Röll.) Kindb.	●	●												
Leskea (42)														
* *arenicola* Best						○								
gracilescens Hedw.				○	●	○					○			
obscura Hedw.		●	●	●	●	○				○	○			
polycarpa Hedw.	●			●	●	●		○		●	●			
* var. *paludosa* (Hedw.) Schimp.	○				○	○								
Leskeella (42)														
nervosa (Brid.) Loeske	●	●	●	●	●	●	●	●		●	●	●	○	○
* var. *flagellifera* (Kindb.) Wijk & Marg.		○			○	○								
* var. *sibirica* (H. Arnell) Broth.												●		
* var. *subrigidula* (Kindb.) Podp.							○							
* f. *bulbifera* Möll.						○							○	
Leucobryum (10)														
glaucum (Hedw.) Ångstr. *ex* Fr.	●?			●	●	●		●	●	●	●			
Leucodon (34)														
brachypus Brid.					○	○				●	●			
var. *andrewsianus* Crum & Anders.					●	●		●	●	●	●			
julaceus (Hedw.) Sull.					●					○				
Leucolepis (21)														
menziesii (Hook.) Steere *ex* L. Koch	●													
Lindbergia (42)														
brachyptera (Mitt.) Kindb.	○?				●	●								
Lyellia (54)														
aspera (Hag. & C. Jens.) Frye												●		●
Meesia (23)														
longiseta Hedw.	○	●	○	○	●		○	○		○	○	●	●	●
triquetra (Richt.) Ångstr.	●	●	●	●	●	●	●	●		●		●	●	●

	BC	At	Sa	Mb	On	Qu	Lb	Nf	PE	NB	NS	YT	NT	AA
uliginosa Hedw.	●	●	●	●	●	●	●	●			●	●	●	●
* var. *alpina* (Bruch) Hampe	●													
* var. *minor* (Brid.) Web. & Mohr		○		○										
Metaneckera (36)														
menziesii (Hook. *ex* Drumm.) Steere	●	●												
Micromitrium (15)														
austinii Aust.											○			
tenerum (B.S.G.) Crosby	●													
Mielichhoferia (20)														
macrocarpa (Hook. *ex* Drumm.) Bruch & Schimp. *ex* Jaeg. & Sauerb.	●	●					○							●
mielichhoferi (Funck *ex* Hook.) Loeske	●				●									●
* var. *elongata* (Hoppe & Hornsch.) Wijk & Marg.							●							●
Mnium (21)														
arizonicum Amann	○	●										●		
blyttii B.S.G.	●	●										●	●	●
hornum Hedw.					●	●	○	●	●	●	●			
lycopodioides Schwaegr.	●	●		●	●	●	●	●	●			●	●	
* ssp. *inclinatum* (Lindb.) Wijk & Marg.	○	○			○									
marginatum (With.) Brid. *ex* P. Beauv.	●	●	●		●	●	○	○		●	●	○	○	●
spinosum (Voit) Schwaegr.												●	○	
spinulosum B.S.G.	●	●	●	●	●	●	●		●	●	●	○	○	
stellare Hedw.	○				●	●		○		●	●			
thomsonii Schimp.	●	●		●	●	●	●	○		○	○	●	●	●
Myrinia (41)														
pulvinata (Wahlenb.) Schimp.	●				●	○				○			●	
Myurella (40)														
julacea (Schwaegr.) B.S.G.	●	●	●	●	●	●	●	●		●	○	●	●	●
sibirica (C. Müll.) Reim.	●	●			●	●		●		●	●	●	●	
var. *tenella* (Hab.) Crum, Steere, & Anders.										○				
tenerrima (Brid.) Lindb.	●	●		●	●	●	●					●	●	●
Neckera (36)														
complanata (Hedw.) Hüb.							○?	●		●	●			
douglasii Hook.	●													
* *intermedia* Brid.					○									
pennata Hedw.	●		●	●	●	●	●	●	●	●	●	●	●?	
var. *tenera* C. Müll.	○	●	○		●	●	●	○	○	○		○	●	
Neckeropsis (36)														
disticha (Hedw.) Kindb.					○?									
Neomacounia (36)														
nitida (Lindb.) Irel.					●									
Oedipodium (17)														
griffithianum (Dicks.) Schwaegr.	●													
Oligotrichum (54)														
aligerum Mitt.	●	○												
falcatum Steere							○					●		○
hercynicum (Hedw.) DC.	●	●						●				●		
parallelum (Mitt.) Kindb.	●	●										○		

	BC	At	Sa	Mb	On	Qu	Lb	Nf	PE	NB	NS	YT	NT	AA
Oncophorus (9)														
virens (Hedw.) Brid.	●	●	●	●	●	●	●	●			○	●	●	○
* var. *nigrescens* Williams *in* Mac.												○		
* var. *serratus* (B.S.G.) Braithw.	○					○	○			○		○		○
wahlenbergii Brid.	●	●	●	●	●	●	●	●	●	●	●	●	●	●
* var. *compactus* (B.S.G.) Braithw.		○			●	○	●							
* var. *gracilis* (Broth.) H. Arnell & C. Jens.							○							
Oreas (9)														
martiana (Hoppe & Hornsch. *ex* Hornsch.) Brid.	●	●												
Orthothecium (46)														
acuminatum Bryhn												○	○	○
chryseum (Schwaegr. *ex* Schultes) B.S.G.	●	●	○	●	●	●	○					●	●	●
* var. *cochlearifolium* (Lindb.) Limpr.													○	○
intricatum (C.J. Hartm.) B.S.G.	●	●			●	●						○	○	●
rufescens (Brid.) B.S.G.	●?												○	○
strictum Lor.		●			●	●		●				●	●	●
Orthotrichum (28)														
affine Brid.	●	●			○				○	○	○			○
* ssp. *subrivale* Kindb.						○								
* var. *fastigiatum* (Brid.) Hüb.						○					○			
alpestre Hornsch. *ex* B.S.G.	●	●			○			●				●	●	○
anomalum Hedw.	●	●	●	●	●	●	●	●		●	●	●	○	
bolanderi Sull.		○												
consimile Mitt.	●													
cupulatum Brid.	○				●									
diaphanum Brid.						○								
gymnostomum Bruch *ex* Brid.								●						
hallii Sull. & Lesq. *in* Sull.	○													
jamesianum Sull. *ex* James	●	●		●								●	●	○
laevigatum Zett.	●	●										○		
* f. *macounii* Lawt. & Vitt *in* Lawt.	●	●		●		○		○				●		
lyellii Hook. & Tayl.	●													
obtusifolium Brid.	●	●	●	●	●	●	●		●	●	●	●	●	
ohioense Sull. & Lesq. *ex* Aust.					●	●			●	●	●			
pallens Bruch *ex* Brid.	○	●			●	●						●		○
pulchellum Brunt. *ex* Winch. & Gateh.	●	●										●		
pumilum Sw.	○	●	●	●	●	●					○			
pusillum Mitt.					○									
pylaisii Brid.	●	●		●		●	●	○		○		●		●
rivulare Turn.	●													
rupestre Schleich. *ex* Schwaegr.	●	●									○	●	●	
* ssp. *sturmii* (Hoppe & Hornsch.) Boul.	○													
sordidum Sull. & Lesq. *ex* Aust.					●	●	○	○	●	●	●			
speciosum Nees *ex* Sturm	●	●	○	○	●	●	●	●	●	●	●	●	●	●
var. *elegans* (Schwaegr. *ex* Hook. & Grev.) Warnst.	○	●	●	●	●	●			●	●	●	●	●	
stellatum Brid.					●	●		●	●	●	●			
strangulatum P. Beauv.			○	●	●	○			○	○	○			
* f. *lescurii* (Aust.) Vitt	○				○	●								
striatum Hedw.	●	○			○					○				
tenellum Bruch *ex* Brid.	●	○			○									
Oxystegus (12)														
tenuirostre (Hook. & Tayl.) Steere	●	○		○	●	●		●		●	●			

	BC	At	Sa	Mb	On	Qu	Lb	Nf	PE	NB	NS	YT	NT	AA
Paludella (23)														
squarrosa (Hedw.) Brid.	●	●	●	●	●	●	●	●			●	●	●	●
Papillaria (35)														
nigrescens (Hedw.) Jaeg. & Sauerb.					O?									
Paraleucobryum (9)														
enerve (Thed. *ex* C.J. Hartm.) Loeske	●	●										O	O	
longifolium (Hedw.) Loeske	●	●	O	●	●	●	●	●	●	●	●		O	
* ssp. *serratum* (Kindb.) Podp.					O									
var. *subalpinum* (Milde) Cas.-Gil	O				O	●								
sauteri (B.S.G.) Loeske	O									O				
Phascum (12)														
cuspidatum Hedw.	●	●	O		●						●			
* var. *piliferum* (Hedw.) Hook. & Tayl.		O	O											
floerkeanum Web. & Mohr					●									
Philonotis (25)														
americana Dism.	●		●			●			●	●	●	O		
* *calcarea* (B.S.G.) Schimp.						O								
capillaris Lindb. *ex* C.J. Hartm.	●										●		O	
fontana (Hedw.) Brid.	●	●	●	●	●	●	●	●	O	●	●	●	O	O
var. *caespitosa* (Jur.) Schimp.					●	●	O	O	●	●	●		O	O
var. *pumila* (Turn.) Brid.	O	●	O		O	O	●					●	●	●
* var. *seriata* Kindb. *in* Mac. & Kindb.														
f. *occidentalis* Flow. *in* Grout						O	O				O			
* f. *dimorphophylla* Flow. *in* Grout	O													
longiseta (Michx.) Britt.	O?													
marchica (Hedw.) Brid.	●	●			●	●		O		O	●			
* var. *laxa* (Limpr.) Loeske & Warnst.										O				
muhlenbergii (Schwaegr.) Brid.	O?					O				O				
* *yezoana* Besch. & Card. *in* Card.	●							●						
Physcomitrella (16)														
patens (Hedw.) B.S.G.	O				●	●								
Physcomitrium (16)														
collenchymatum Gier											●			
hookeri Hampe		●	O	●	O									
immersum Sull.	●				●	●				●	●			
megalocarpum Kindb. *ex* Mac.	●													
pyriforme (Hedw.) Hampe	O?	●	●	●	●	●				●	●			
Plagiobryum (20)														
demissum (Hook.) Lindb.		O					O					●	O	O
zierii (Hedw.) Lindb.	●	●		●		●	●	●			●	●		
Plagiomnium (21)														
ciliare (C. Müll.) Kop.	O	●	●	●	●	●	●	●	●	●	●	O	O	
cuspidatum (Hedw.) Kop.	●	●	●	●	●	●	●	●	●	●	●	O	O	
drummondii (Bruch & Schimp.) Kop.	●	●	●	●	●	●				●	●		O	
* *elatum* (B.S.G.) Kop.					O									
ellipticum (Brid.) Kop.	O	●	●	●	●	●	●	●				●	●	O
insigne (Mitt.) Kop.	●								O					
medium (B.S.G.) Kop.	O	●	●	●	●	●	●	●	●	●	●	●	●	O
* ssp. *curvatulum* (Lindb.) Kop.					O		O					O		●
rostratum (Schrad.) Kop.	●				●	●		O		●	O			O
venustum (Mitt.) Kop.	●													
Plagiopus (25)														
oederiana (Sw.) Limpr.	●	●	●		●	●	O	●		●	●	●	●	●

	BC	At	Sa	Mb	On	Qu	Lb	Nf	PE	NB	NS	YT	NT	AA
* var. *alpinus* (Schwaegr.) Torre & Sarnth.										○				
Plagiothecium (47)														
cavifolium (Brid.) Iwats.	●				●	●	●	●	●	●	●	●	○	
denticulatum (Hedw.) B.S.G.	●	●	●	●	●	●	●	●	●	●	●	●	○	
laetum B.S.G.	●	●		●	●	●	●	●	●	●	●	●	●	
latebricola B.S.G.					●	●	○	●			●			
piliferum (Sw. *ex* C.J. Hartm.) B.S.G.	●	○				●					○	○	○	
* *platyphyllum* Mönk.	●				○			○			○			
undulatum (Hedw.) B.S.G.	●													
Platydictya (44)														
confervoides (Brid.) Crum	○				●	●	●			●	●			
jungermannioides (Brid.) Crum	●	●	○	○	●	●	●	●		●	●	●	●	●
minutissimum (Sull. & Lesq. *ex* Sull.) Crum	○	○			●						○	○		
subtile (Hedw.) Crum					●	●	●	●	●	●	●			
Platygyrium (49)														
repens (Brid.) B.S.G.	●	●		●	●	●		●	●	●	●			
Pleuridium (6)														
acuminatum Lindb.						○								
bolanderi C. Müll. *ex* Jaeg.	●													
palustre (Bruch & Schimp.) B.S.G.						○								
subulatum (Hedw.) Rabenh.	○?				●	●				●	●			
Pleurochaete (12)														
squarrosa (Brid.) Lindb.						○?								
Pleuroziopsis (31)														
ruthenica (Weinm.) Kindb. *ex* Britt.	●													
Pleurozium (46)														
schreberi (Brid.) Mitt.	●	●	●	●	●	●	●	●	●	●	●	●	●	
Pogonatum (54)														
alpinum (Hedw.) Röhl.	●	●			●	●	●	●		●	●	●	●	●
var. *arcticum* (Brid.) Brid.						○	○							
var. *fragile* (Brhyn) Crum														●
var. *septentrionale* (Brid.) Brid.	○	●		●		●	●				○		●	○
var. *sylvaticum* (Hoppe) Lawt.	●						○							
brachyphyllum (Michx.) P. Beauv.					○									
contortum (Brid.) Lesq.	●													
dentatum (Brid.) Brid.	●	●				●	●	●		●	●	●	●	●
pensilvanicum (Hedw.) P. Beauv.					●	●		●	●	●	●			
urnigerum (Hedw.) P. Beauv.	●	●			●	●	●	●	●	●	●	●	●	●
Pohlia (20)														
annotina (Hedw.) Lindb.	●	●		○		●	○				●	●		●
var. *decipiens* Loeske	○				●	●		●	●	●	●			
atropurpurea (Wahlenb.) H. Lindb.	○	●		●	○							●		
bulbifera (Warnst.) Warnst.	●	●		○	●	●	●	●	●	●	●	●	○	
cardotii (Ren. *ex* Ren. & Card.) Broth	●													
carnea (Turn.) Lindb.	○				●				○		○			
columbica (Kindb. *ex* Mac. & Kindb.) Andr.	●	○												
cruda (Hedw.) Lindb.	●	●	●	●	●	●	●	●	●	●	●	●	●	●
crudoides (Sull. & Lesq.) Broth.						○						●	○	○
drummondii (C. Müll.) Andr.	●	●	●		○	○	●	○				●	●	○
elongata Hedw.	●	○			●	●	○			●	●			○

	BC	At	Sa	Mb	On	Qu	Lb	Nf	PE	NB	NS	YT	NT	AA
erecta Kindb.	●													
filiformis (Dicks.) Andr.	●				●	●	●	●		●		○	○	○
lescuriana (Sull.) Grout.	○					●	●	●	●	●	●			
longibracteata Broth. *ex* Röll.	●													
longicolla (Hedw.) Lindb.	○	●				○	●			○			○	○
ludwigii (Spreng. *ex* Schwaegr.) Broth.	○				○	●	○						●	○
* *minor* Schleich. *ex* Schwaegr.	○									○				
* var. *brachycarpa* (Hoppe & Hornsch.) Wijk & Marg.														○
nutans (Hedw.) Lindb.	●	●	●	●	●	●	●	●	●	●	●	●	●	●
obtusifolia (Brid.) L. Koch	○					○	●						●	○
proligera (Kindb. *ex* Limpr.) Lindb. *ex* H. Arnell	○	●		○	●	●	●	●	●	●	●	●	○	○
rothii (Corr. *ex* Limpr.) Broth.						●	●		●	●	●	●	○	
rutilans (Schimp.) Lindb.	○					○	○							○
schleicheri Crum	○	●	●			○	●				○	○		
sphagnicola (B.S.G.) Lindb. & H. Arnell	○	●		○		●		○	●		●	○	●	
vexans (Limpr.) H. Lindb.	○	●	○	○	○	○						●		
wahlenbergii (Web. & Mohr) Andr.	●	●	●	●	●	●	●	●	●	●	●	●	○	○
Polytrichum (54)														
* *algidum* Hag. & C. Jens.												●		●
commune Hedw.	●	●	●	●	●	●	●	●	●	●	●	●	●	
var. *maximoviczii* Lindb.				○		○	●					○	●	●
var. *nigrescens* Warnst.				○		●	○					○	●	○
var. *perigoniale* (Michx.) Hampe	○				●	●		●	●	●	●			
var. *yukonense* (Card. & Thér.) Frye						○	○						●	
formosum Hedw.	●			●	●	●		●	●	●	●		●	
hyperboreum R. Br.						●	●				○	●	●	●
juniperinum Hedw.	●	●	●	●	●	●	●	●	●	●	●	●	●	○
longisetum Brid.	○	●		●	●	●	●	●		●	●	○	●	
lyallii (Mitt.) Kindb.	●	●										○		
ohioense Ren. & Card.	○				●	●	●	●	●	●	●			
piliferum Hedw.	●	●	●	●	●	●	●	●	●	●	●	●	●	●
sexangulare Brid.	●	●					●					●	●	○
sphaerothecium (Besch.) C. Müll	●													
strictum Brid.	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Porotrichum (36)														
bigelovii (Sull.) Kindb.	●													
Pottia (12)														
bryoides (Dicks.) Mitt.			○											
davalliana (Sm. *ex* Drake) C. Jens.					●									
nevadense Card. & Thér.	●	○	○			○								
truncata (Hedw.) Fürnr. *ex* B.S.G.	●	○			●	●				○	●			
* var. *littoralis* (Mitt.) Warnst.	○													
Pseudephemerum (9)														
nitidum (Hedw.) Loeske	●										○			
Pseudobraunia (32)														
californica (Lesq.) Broth.	●													
Pseudobryum (21)														
cinclidioides (Hüb.) Kop.	○	●	●	●	●	●	●	●	●	●	●	○	●	
Pseudoditrichum (7)														
* *mirabile* Sterre & Iwats.													●	

	BC	At	Sa	Mb	On	Qu	Lb	Nf	PE	NB	NS	YT	NT	AA
Pseudoleskeella (42)														
catenulata (Brid. *ex* Schrad.) Kindb.					●	●	●						○	
papillosa (Lindb.) Kindb.				●		●						●	○	
tectorum (Funck *ex* Brid.) Kindb. *ex* Broth.	●	●	●	○	●	●		○				●	○	○
var. *flagellifera* (Best) Crum, Steere, & Anders.						○								
williamsii (Best) Crum, Steere, & Anders.					●	○		●						
var. *filamentosa* (Best) Crum, Steere, & Anders.						○								
Pseudoscleropodium (45)														
purum (Hedw.) Fleisch.	●													
Psilopilum **(54)**														
cavifolium (Wils.) Hag.						●						●	●	●
laevigatum (Wahlenb.) Lindb.							●					○		●
Pterigynandrum (42)														
filiforme Hedw.	●	●	●		●	●	●	●	●	●	●	●	●	○
* f. *majus* (De Not.) De Not.											○			
* f. *minus* Lesq. & James					○									
Pterogonium (34)														
gracile (Hedw.) Sm.	●				○?									
Pterygoneurum (12)														
lamellatum (Lindb.) Jur.														●
ovatum (Hedw.) Dix.	●	●	○		●	●						●		●
subsessile (Brid.) Jur.	●	●	●									●		
Ptilium (49)														
crista-castrensis (Hedw.) De Not.	●	●	●	●	●	●	●	●	●	●	●	●	●	
Ptychomitrium (27)														
gardneri Lesq.	●													
incurvum (Schwaegr.) Spruce					●	○								
Pylaisia (49)														
* *cyrtophylla* Kindb.		○												
* *polyantha* (Hedw.) B.S.G. var. *rupestris* Best *ex* Mac.					○									
Pylaisiella (49)														
intricata (Hedw.) Grout				○	●	●		○	●	●	●			
polyantha (Hedw.) Grout	●	●	●	●	●	●	●	●	○	●	●	●	●	
selwynii (Kindb.) Crum, Steere, & Anders.					●	●	○	●	●	●	●	○	●	
Rauiella (43)														
scita (P.Beauv.) Reim.				○	●	●				●	○			
Rhabdoweisia (9)														
crispata (With.) Lindb.	●			○	●	●	○	●		●	●			
* *fugax* (Hedw.) B.S.G.					○									
Rhacomitrium (13)														
aciculare (Hedw.) Brid.	●	○			●	●	●	●		●	●	○		●
aquaticum (Brid. *ex* Schrad.) Brid.	●													
brevipes Kindb.	●													
brevisetum Lindb.														○
canescens (Hedw.) Brid.	●	●	●	●	●	●	●	●		●	●	●	●	●

	BC	At	Sa	Mb	On	Qu	Lb	Nf	PE	NB	NS	YT	NT	AA
* var. *epilosum* H. Müll. *ex* Milde	●													
* var. *ericoides* (Brid.) Hampe	●				●	●	●	●		●	●	●	●	●
* var. *muticum* (Kindb.) Mac. & Kindb.	○													
* var. *strictum* Schlieph. *in* Limpr.	●													
depressum Lesq.	●?					○?	○?							
fasciculare (Hedw.) Brid.	●	●			●	●	●	●		●	●	●	●	
heterostichum (Hedw.) Brid.	●	●			●	●	●	●		●	●	●		○
var. *alopecurum* Hüb.	○	●			●	●	●	●		●	●			
var. *macounii* (Kindb. *ex* Mac.) G. Jones	●	○				○					○			
var. *microcarpon* (Hedw.) Boul.	○?	●			●	●	●	●		●	●	○	●	
* var. *obtusum* (Brid.) Delogn.					○									
var. *occidentale* Ren. & Card.	○													
lanuginosum (Hedw.) Brid.	●	●		○	●	●	●	●			●	●	●	●
lawtonae Irel.	●													
sudeticum (Funck) B.S.G.	●	●				●	●	●		○	●	●	○	●
* var. *validius* Jur.											○			
* f. *alpinum* Lawt.	○										○			
* f. *brevipes* (Kindb.) Lawt.	○	○												
varium (Mitt.) Jaeg. & Sauerb.	●					○?								
Rhizomnium (21)														
andrewsianum (Steere) Kop.	○?	●			○		○					●	●	○
* *appalachianum* Kop.				●	●	●	●	●	●	●	●			
glabrescens (Kindb.) Kop.	●													
* *gracile* Kop.	●	●	●	●	●	●	●					●	●	
* *magnifolium* (Horik.) Kop.	●	●			●	●	●	●		●	●	●		
nudum (Britt. & Williams) Kop.	●	●												
pseudopunctatum (Bruch & Schimp.) Kop.	○	●	●	●	●	●	●	●			○	●	●	○
punctatum (Hedw.) Kop.	○	○	○	○	●	●	○	●	●	●	●	○		○
Rhodobryum (20)														
* *ontariense* (Kindb.) Kindb.		●			●	●		●		●	●			
roseum (Hedw.) Limpr.	●	●		●						○	○			
Rhynchostegiella (45)														
compacta (C. Müll.) Loeske	●	●	●	●	●	●		●		○	●	○	●	
Rhynchostegium (45)														
* *aneuron* Kindb.					○									
* *confertum* (Dicks.) B.S.G.											○			
* *murale* (Hedw.) B.S.G.											○			
* *revelstokense* (Kindb.) Kindb.	○													
serrulatum (Hedw.) Jaeg. & Sauerb.	●				●	●		○		○	○			
* ssp. *eriense* (Kindb.) Kindb.					○									
* ssp. *hispidifolium* (Kindb.) Kindb.	○													
* *subintegrifolium* (Kindb.) Kindb.	○													
Rhytidiadelphus (50)														
loreus (Hedw.) Warnst.	●	○			○	○	●	●			●	○		
squarrosus (Hedw.) Warnst.	●					○		●		○	○	○	●	
* *subpinnatus* (Lindb.) Kop.	●	●			●	●	●	●	●	●	●			
triquetrus (Hedw.) Warnst.	●	●	●	●	●	●	●	●	●	●	●	●	●	
Rhytidiopsis (50)														
robusta (Hedw.) Broth.	●	●												
Rhytidium (50)														
rugosum (Hedw.) Kindb.	●	●	●	●	●	●	●	●			●	●	●	●

	BC	At	Sa	Mb	On	Qu	Lb	Nf	PE	NB	NS	YT	NT	AA
Roellia (21)														
roellii (Broth. *ex* Röll) Andr. *ex* Crum	●	●												
Saelania (6)														
glaucescens (Hedw.) Bomanss. & Broth.	●	●		●	●	●	●	●		●	●	●	●	●
Schistidium (13)														
* *holmenianum* Steere & Brass.													●	●
Schistostega (19)														
pennata (Hedw.) Web. & Mohr	●	●			●	●		●		●	●			
Schwetschkeopsis (41)														
fabronia (Schwaegr.) Broth.						○				○				
Sciaromium (44)														
lescurii (Sull.) Broth.					●	●		●			●			
Scleropodium (45)														
cespitans (C. Müll.) L. Koch	●	○	○		○?									
var. *sublaeve* (Ren. & Card.) Wijk & Marg.	○										○?			
obtusifolium (Jaeg. & Sauerb.) Kindb. *ex* Mac. & Kindb.	●	○									○?			
* *subcaespitosum* (Kindb.) Par.	○													
tourettei (Brid.) L. Koch	●									○?				
var. *colpophyllum* (Sull.) Lawt. *ex* Crum	●													
Scorpidium (44)														
scorpioides (Hedw.) Limpr.	●	●	●	●	●	●	●	●			●	●	●	●
* f. *gracilescens* (Sanio) C. Jens.												○		
turgescens (T. Jens.) Loeske	●	●	○	●	●	●	○	●			○	●	●	●
Scouleria (13)														
aquatica Hook.	●	●										●	●	
Seligeria (8)														
* *acutifolia* Lindb. *in* C. Hartm.	●													
* *brevifolia* (Lindb.) Lindb.								●		●				
calcarea (Hedw.) B.S.G.		●		●	●	●		●						
campylopoda Kindb. *ex* Mac. & Kindb.	●	●		○?	●	●		●		●	●	●	○	●
* *careyana* Vitt & Schof.	●													
* *diversifolia* Lindb.						●				●		●		
donniana (Sm.) C. Müll.	●	●			●	○		●				●	○	
* *oelandica* C. Jens. & Medel.												●		
* *paucifolia* (Dicks.) Carruth.					○?									
polaris Berggr.												●		●
pusilla (Hedw.) B.S.G.					○?	○?					○?			●
recurvata (Hedw.) B.S.G.	●	○?				●		●		●	○			
subimmersa Lindb.		●										●		
tristichoides Kindb.	●					●						●	●	
Sematophyllum (48)														
adnatum (Michx.) Britt.	○?					○		○						
demissum (Wils.) Mitt.						○		○		○	●			
marylandicum (C. Müll) Britt.						○		●			●			
novae-caesareae (Aust.) Britt.	●													

Sphagnum (1)	BC	At	Sa	Mb	On	Qu	Lb	Nf	PE	NB	NS	YT	NT	AA
angermannicum Melin						●	○			●	●			
* *angustifolium* (C. Jens. *ex* Russ.) C. Jens. *in* Tolf	●	●	●	●	●	●		●		○	●	●	●	
annulatum Warnst.		○	○	○	○		○							
* *aquatile* Warnst. var. *sanguinale* Warnst.											○			
aongstroemii C. Hartm.	●											●	●	●
balticum (Russ.) Russ. *ex* C. Jens.	●	○?		●	○		○					●	●	
centrale C. Jens. *ex* H. Arnell & C. Jens.	●	●	●	●	●	●		●	●		●		○	
compactum DC. *ex* Lam. & DC.	●	●	●	●	●	●	●	●	●	●	●	●	●	
* var. *brachycladum* (Röll) Röll		○?			○				○	○				
* var. *imbricatum* Warnst.							○				●			
* var. *squarrosum* (Russ.) Warnst.					●				●	●				
cuspidatum Ehrh. *ex* Hoffm.			○	○	●	●	○	●		●	●			
* var. *plumosum* Nees & Hornsch.					○									
* var. *plumulosum* Schimp.								○		○	○			
var. *serrulatum* (Schlieph.) Schlieph.									●					
* var. *submersum* Schimp.					○			○	○					
* *fallax* (Klinggr.) Klinggr.	●	○?	○	○	●	●	●	●	●	●	●	●	●	○
fimbriatum Wils. *ex* Hook. *f.*	●	●			●	●	●	●	●	●	●	○	●	○
* var. *concinnum* (Berggr.) Warnst.							○	○						
* var. *laxum* (Braithw.) Wijk & Marg.	○													
* var. *tenue* Grav. *ex* Röll					○				○	○				
flavicomans (Card.) Warnst.						○	●	●	●	●	●			
* var. *fuscescens* Warnst.								○						
* *flexuosum* Dozy & Molk.					○	●			○	●	○			
fuscum (Schimp.) Klinggr.	●	●	●	●	●	●	●	●	●	●	●	●	●	○
* f. *fuscescens* (Warnst.) Warnst.	○		○		○	○			○	○		○		
* f. *pallescens* (Warnst.) Warnst.		○			○								○	
* f. *viride* (Warnst.) Podp.					○									
girgensohnii Russ.	●	●	●	●	●	●	●	●	●	●	●	●	●	○
* var. *gracilescens* Grav. *ex* Warnst. f. *squarrosa* Warnst.					○									
* var. *hygrophyllum* Russ.	○				○									
* var. *strictum* (Lindb.) Russ.					○									
imbricatum Hornsch. *ex* Russ.	●				○	○	○	●		●	●		●	
* var. *affine* (Ren. & Card.) Warnst.						○				○	○			
jensenii H. Lindb.	●	●	○	○	●	●	●						●	
junghuhnianum Dozy & Molk. var. *pseudomolle* (Warnst.) Warnst.	●													
lenense H. Lindb. *ex* Pohle						●	○					●	●	
lindbergii Schimp. *ex* Lindb.	●	●	○	●	●	●	●	●		●	●	●	●	○
* var. *macrophyllum* Warnst.							○							
* var. *mesophyllum* Warnst.							○							
* var. *tenellum* (Lindb.) Röll							○							
macrophyllum Bernh. *ex* Brid.								○			●			
var. *burinense* Maass								○						
magellanicum Brid.	●	●	●	●	●	●	●	●	●	●	●	●	●	
* var. *pallescens* (Warnst.) C. Jens.					○									
* var. *purpurascens* (Russ.) Warnst.					○									
* var. *roseum* (Röll) C. Jens.										○				
majus (Russ.) C. Jens.	●	●	○		●	●	●	●		●	●		●	
mendocinum Sull. & Lesq. *ex* Sull.	●													
* *mexicanum* Mitt. var. *squarrosulum* (Warnst.) Warnst.						○								
molle Sull.								●			○			
* var. *molluscoides* (C. Müll.) Husn.								○						
* *nemoreum* Scop.	●	●	●	●	●	●	●	●	●	●	●	●	●	○
* var. *alpinum* (Milde) Wijk & Marg.					○		○	○						
* var. *elegans* (Braithw.) Wijk & Marg.	○				○		○	○		○				
* f. *versicolor* (Warnst.) Podp.	○	○		○	○		○			○				
obtusum Warnst.		●	●	●	○	○						●	●	

	BC	At	Sa	Mb	On	Qu	Lb	Nf	PE	NB	NS	YT	NT	AA
* var. *fluitans* Warnst.					○									
* *orientale* Sav.-Ljub.												○		●
palustre L.	●				●	●	●	●	●	●	●			
papillosum Lindb.	●				●	●	●	●	●	●	●			
* var. *laeve* Warnst.					○									
perfoliatum Sav.-Ljub.													○	
platyphyllum (Lindb. *ex* Braithw.) Sull. *ex* Warnst.	●	●			●	●	●	●		●				
* *plumulosum* Röll. var. *versicolor* (Warnst.) Fam. f. *densum* Wheldon						○								
pulchrum (Lindb. *ex* Braithw.) Warnst.		○			●	●	○	●		●	●			
* var. *fusco-flavescens* (Warnst.) Warnst.						○								
* var. *nigricans* Warnst.								○						
pylaesii Brid.						●	●	●		●	●			
* var. *austinii* (Husn.) Warnst.							○	○						
* var. *austinii* f. *nigricans* (Brid.) Warnst.								○						
* var. *prostratum* (Brid.) Card.											○			
quinquefarium (Lindb. *ex* Braithw.) Warnst.	●				●	●	○	●	●		●			
riparium Ångstr.	●	●		●	●	●	●	●	●	●	●	●	●	
* *rubellum* Wils.	●	○	○	○	●	●	●	●	●	●	●	●	●	○
* var. *rubescens* Warnst.						○								
* var. *rubrum* (Grav.) Hor.					○					○			○	
* var. *violaceum* C. Jens.										○				
russowii Warnst.	●	●	●	●	●	●	●	●	●	●	●	●	●	○
* var. *girgensohnioides* Russ. *ex* Warnst.	○				○			○						
* var. *poecilum* Russ. *ex* Warnst.					○			○						
* var. *rhodochroum* Russ. *in* Warnst.							○			○				
splendens Maass						○								
squarrosum Crome	●	●	●	●	●	●	●	●	●	●	●	●	●	○
* var. *cuspidatum* Warnst.						○								
* var. *imbricatum* Schimp.		○												
* var. *immersum* Beck *ex* Warnst.	○				○					○				
strictum Sull.						○	○	●		●	●			
* var. *subsquarrosum* (Warnst.) A. Schum.						○		○						
subfulvum Sjörs					○			●		○	○		○	
subnitens Russ. & Warnst. *ex* Warnst.	●				●	●	○	●			○		○	○
* *subobesum* Warnst.	●													
subsecundum Nees *ex* Sturm	●	●			●	●	●	●		●	●		○	
var. *contortum* (Schultz) Hüb.	●	○			○	●		●						
var. *inundatum* (Russ.) C. Jens.						●								
var. *rufescens* (Nees, Hornsch., & Sturm) Hüb.							○	○			○			
tenellum (Brid.) Pers. *ex* Brid.	●	○	○	○	●	●	●	●	●	●	●			
tenerum Sull. & Lesq.	○	○?			●	●	●	●			●			
* *tenuifolium* Warnst.							○							
teres (Schimp.) Ångstr. *ex* C. Hartm.	●	●	●	●	●	●	●	●			●	●	●	○
* var. *compactum* Warnst.	○					○								
torreyanum Sull.						●		●		●	●			
* var. *plumosum* Warnst.						○								
warnstorfii Russ.	●	●	●	●	●	●	●	●		●	●	●	●	○
* var. *purpurascens* Russ. *in* Warnst.		○						○				○		
* var. *viride* Russ. *in* Warnst.		○			○									
wulfianum Girg.	○	●	●	●	●	●				●	●			
* var. *squarrulosum* Russ.					○									
* var. *versicolor* Warnst.			○											

	BC	At	Sa	Mb	On	Qu	Lb	Nf	PE	NB	NS	YT	NT	AA
Splachnum (18)														
ampullaceum Hedw.	●	●	○	○	●	●		●		●	●			
luteum Hedw.	●	●	●		●	○				●		●	●	
var. *melanocaulon* Wahlenb.												●		
pennsylvanicum (Brid.) Grout *ex* Crum											○			
rubrum Hedw.	●	●	●		●	●				●	●		○	
sphaericum Hedw.	●	●		●		●	●	●		○		●	●	○
vasculosum Hedw.	●	●		○		●	○	●				●	●	●
var. *heterophyllum* (Drumm.) Brass.														●
Stegonia (12)														
latifolia (Schwaegr. *ex* Schultes) Vent. *ex* Broth.	●	●						○				●	○	●
var. *pilifera* (Brid.) Broth.	○	●		○								●	●	●
Stereophyllum (47)														
leucostegum (Brid). Mitt.					○?									
Stokesiella (45)														
oregana (Sull.) Robins.	●													
praelonga (Hedw.) Robins.	●							○		○	○			
var. *stokesii* (Turn.) Crum	○				●	○		○		○	●			
Taxiphyllum (49)														
deplanatum (Bruch & Schimp. *ex* Sull.) Fleisch.			○	○	●	●				●	○			
taxirameum (Mitt.) Fleisch.						○?								
Tayloria (18)														
acuminata Hornsch.		●				●						○		●
froehlichiana (Hedw.) Mitt. *ex* Lindb.	●	●										●		
hornschuchii (Grev. & Arnott) Broth.		●												
lingulata (Dicks.) Lindb.	●	●	●	○		●	●					●	●	
serrata (Hedw.) B.S.G.	●	●				●	●	●		●	●		○	○
var. *flagellaris* (Brid.) B.S.G.												○		
* var. *tenuis* (With.) B.S.G.	○			○		○				○	○	○		
splachnoides (Schleich. *ex* Schwaegr.) Hook.	○	○				●		●						
Tetradontium (53)														
brownianum (Dicks.) Schwaegr.	●				●	●		●	●	●	●			
repandum (Funck *ex* Sturm) Schwaegr.	●							●						
Tetraphis (53)														
geniculata Girg. *ex* Milde	●				●	○	●	●	●	●	●	○		○
pellucida Hedw.	●	●	●	●	●	●	●	●	●	●	●	●	●	
* f. *cuspidata* (Kindb.) Grout					○									
Tetraplodon (18)														
angustatus (Hedw.) B.S.G.	●	●		●	●	●	●	●		●	●	●	●	
mnioides (Hedw.) B.S.G.	●	●	●	●	●	●	●	●		●	●	●	●	●
var. *brewerianus* (Hedw.) B.S.G.												○		
var. *cavifolius* Schimp.		●				●	○					●	○	○
* *pallidus* Hag.	●						●	○				●	○	●
paradoxus (R.Br.) Hag.	●											●	●	○?
Thamnobryum (36)														
alleghaniense (C. Müll.) Nieuwl.					●	●				●	●			
* *alopecurum* (Hedw.) Nieuwl.	○?													
neckeroides (Hook.) Lawt.	●	●										○		

	BC	At	Sa	Mb	On	Qu	Lb	Nf	PE	NB	NS	YT	NT	AA
Thelia (40)														
asprella Sull.					●	○								
hirtella (Hedw.) Sull.					●	●				●	●			
Thuidium (43)														
abietinum (Hedw.) B.S.G.	●	●	●	●	●	●	●	●		●	●	●	●	●
delicatulum (Hedw.) B.S.G.	○?		○	●	●	●	●	●	●	●	●	○		
var. *radicans* (Kindb.) Crum, Steere, & Anders.	●	●		●	●	●		●		●	○	●		
* var. *repens* Kindb.										○				
minutulum (Hedw.) B.S.G.					●	●				●	○			
pygmaeum B.S.G.					●	●								
recognitum (Hedw.) Lindb.	●	●	●	●	●	●	●	●	●	●	●	●	○	
* *scitum* (P. Beauv.) Aust. var. *lonchoneuron* Kindb. *in* Mac. & Kindb.					○									
* *tamariscinum* (Hedw.) B.S.G.					○			●		○				
Timmia (26)														
austriaca Hedw.	●	●	●		●?	●	●	●		●		●	○	●
megapolitana Hedw.	●	●	●	●	●	●		○			●	●	○	○
var. *bavarica* (Hessl.) Brid.	○	●	●	●	●	○				○		●	●	●
norvegica Zett.	○	●		●		●		●				●	●	●
var. *comata* (Lindb. & H. Arnell) Crum												○	○	○
Timmiella (12)														
anomala (B.S.G.) Limpr.	○?													
crassinervis (Hampe) L. Koch	●													
Tomenthypnum (45)														
falcifolium Ren. *ex* Nich.	●	●		●	●	●	○	●		○				
nitens (Hedw.) Loeske	●	●	●	●	●	●	●	●		●	●	●	●	●
Tortella (12)														
arctica (H. Arnell) Crundw. & Nyh.	●					●	●					●	●	●
fragilis (Drumm.) Limpr.	●	●	●	●	●	●	●	●		●	●	●	●	●
humilis (Hedw.) Jenn.	●				●	●				●	●			
inclinata (Hedw. *f.*) Limpr.	●	●		○	●	○						●	○	
* *nitida* (Lindb.) Broth.						○							○	
tortuosa (Hedw.) Limpr.	●	●	●	○	●	●	●	●		●	●	●	●	○
Tortula (12)														
amplexa (Lesq.) Steere	●			○										
bistratosa Flow.		○												
bolanderi (Lesq.) Howe	●													
cainii Crum & Anders.					●									
laevipila (Brid.) Schwaegr.	●													
var. *meridionalis* (Schimp.) Wijk & Marg.	○													
latifolia Bruch *ex* C. J. Hartm.	●					○?								
mucronifolia Schwaegr.	●	●	●	●	●	●		●		●	●	●	●	●
muralis Hedw.	●				●			●						○
norvegica (Web.) Wahlenb. *ex* Lindb.	●	●		●	○	●	●	●				●	○	○
papillosa Wils. *ex* Spruce					●						●			
princeps De Not.	●	○												
* *pulvinata* (Jur.) Limpr. ssp. *papillinervis* (C. Müll. & Kindb.) Par.	○						○							
ruraliformis (Besch.) Dix.	●	●	●											
ruralis (Hedw.) Gaertn., Meyer, & Scherb.	●	●	●	●	●	●	●	●			●	●	●	●

	BC	At	Sa	Mb	On	Qu	Lb	Nf	PE	NB	NS	YT	NT	AA
var. *crinita* De Not.	●			○	●			●						
* *sinensis* (C. Müll.) Broth. *in* Levier	○													
subulata Hedw.	●				○?							○		
var. *angustata* (Schimp.) Limpr.	○	○			○?									
* *vahliana* (Schultz) Mont. *in* Gay				○										
Trematodon (9)														
ambiguus (Hedw.) Hornsch.	●				●	●	●	●	●	●	●			
boasii Schof.	●													
brevicollis Hoppe & Hornsch. *ex* Hornsch.												●	○	●
longicollis Michx.					●									
Trichodon (6)														
borealis Williams												●		
cylindricus (Hedw.) Schimp.	●				○	●	●	●		●	○	●		
Trichostomum (12)														
arcticum Kaal.	●					●						●	●	●
spirale Grout					●									
Tripterocladium (37)														
leucocladulum (C. Müll.) Jaeg. & Sauerb.	●													
Ulota (28)														
* *americana* (P. Beauv.) Limpr. var. *longiseta* Thér.						○								
* *bruchii* Hornsch. *ex* Brid.	○					○		○				○?		
coarctata (P. Beauv.) Hamm.					●	●	●	●	●	●	●			
crispa (Hedw.) Brid.			○	○	●	●		●	●	●	●			
* var. *intermedia* (Schimp.) Card.						○		○			○			
* *crispula* Bruch *ex* Brid.					○	○		○		○	○			
curvifolia (Wahlenb.) Lilj.	○	●	●	●	●	●	●	●			○	●	○	○
drummondii (Hook. & Grev. *ex* Grev.) Brid.	●					●		●			○			
hutchinsiae (Sm.) Hamm.	○?	○			●	●		●		●	●			
var. *rufescens* (Britt.) Dix.					○									
japonica (Sull. & Lesq.) Mitt.	●													
megalospora Vent. *ex* Röll.	●													
obtusiuscula C. Müll. & Kindb. *ex* Mac. & Kindb.	●													
phyllantha Brid.	●					●	●	●		●	●			
Voitia (18)														
hyperborea Grev. & Arnott												○	●	●
nivalis Hornsch.		●												○
Weissia (12)														
controversa Hedw.	●	●	○	●	●	●		●	●	●	●	●	○	
var. *wolfii* (Lesq. & James) Crum, Steere, & Anders.					○									
microstoma (Hedw.) C. Müll.											●			
* *rutilans* (Hedw.) Lindb.	○				○	○								
* var. *ganderi* (Jur.) Mac.					○									
Wijkia (48)														
carlottae (Schof.) Crum	●													
* *hornschuchii* (Dozy & Molk.) Crum	●													
Zygodon (28)														
conoideus (Dicks.) Hook. & Tayl.								●			●			

	BC	At	Sa	Mb	On	Qu	Lb	Nf	PE	NB	NS	YT	NT	AA
gracilis Wils. *ex* Berk.	●													
reinwardtii (Hornsch. *ex* Reinw. & Hornsch.) A. Braun *ex* B.S.G.	●													
viridissimus (Dicks.) Brid.	○			○		●				●	●			
var. *rupestris* Lindb. *ex* C.J. Hartm.	●				●	●		○			○			

Additions

BC	At	Sa	Mb	On	Qu	Lb	Nf	PE	NB	NS	YT	NT	AA

Additions

BC	At	Sa	Mb	On	Qu	Lb	Nf	PE	NB	NS	YT	NT	AA

Abietinella abietina (Hedw.) Fleisch. = *Thuidium abietinum*
Acanthocladium carlottae Schof. = *Wijkia carlottae*
Acaulon rufescens Jaeg. & Sauerb. = *A. muticum* var. *rufescens*
Acrocladium cuspidatum (Hedw.) Lindb. = *Calliergonella cuspidata*
Alsia abietina (Hook.) Sull. = *Dendroalsia abietina*
Amblystegiella adnata (Hedw.) Nichols = *Homomallium adnatum*
Amblystegiella confervoides (Brid.) Loeske = *Platydictya confervoides*
Amblystegiella confervoides f. *brevifolia* Grout = *Platydictya confervoides*
Amblystegiella jungermannioides (Brid.) Giac. = *Platydictya jungermannioides*
Amblystegiella minutissima (Sull. & Lesq.) Nichols = *Platydictya minutissima*
Amblystegiella sprucei (Bruch) Loeske = *Platydictya jungermannioides*
Amblystegiella subtilis (Hedw.) Loeske = *Platydictya subtile*
Amblystegium adnatum (Hedw.) Aust. = *Homomallium adnatum*
Amblystegium americanum Grout = *Rhynchostegiella compacta*
Amblystegium compactum (C. Müll.) Aust. = *Rhynchostegiella compacta*
Amblystegium confervoides (Brid.) B.S.G. = *Platydictya confervoides*
Amblystegium curvipes B.S.G. = *Leptodictyum trichopodium* var. *curvipes* (B.S.G.) Broth. Excluded from Canada.
Amblystegium dissitifolium Kindb. *in* Mac. & Kindb. = *Rhynchostegiella compacta*
Amblystegium fallax (Brid.) Milde = *Cratoneuron filicinum* var. *fallax*
Amblystegium fenestratum Kindb. *in* Mac. & Kindb. = *A. tenuifolium* Kindb.
Amblystegium filicinum (Hedw.) De Not. = *Cratoneuron filicinum*
Amblystegium filicinum f. *marianopolitana* Dupret *ex* Moxley = *Hygroamblystegium tenax*
Amblystegium fluviatile (Hedw.) B.S.G. = *Hygroamblystegium fluviatile*
Amblystegium irriguum (Hook. & Wils.) B.S.G. = *Hygroamblystegium tenax*
Amblystegium irriguum var. *spinifolium* Schimp. = *Hygroamblystegium tenax*
Amblystegium irriguum f. *marianopolitana* Dupret = *Hygroamblysteigium tenax*
Amblystegium kochii B.S.G. = *Leptodictyum trichopodium* var. *kochii*
Amblystegium lescurii (Sull.) Aust. = *Sciaromium lescurii*
Amblystegium minutissimum (Sull. & Lesq. *ex* Sull.) Jaeg. & Sauerb. = *Platydictya minutissimum*
Amblystegium noterophilum (Sull. & Lesq.) Holz. = *Hygroamblystegium noterophilum*
Amblystegium orthocladon (P. Beauv.) Mac. & Kindb. = *Hygroamblystegium tenax*
Amblystegium polygamum B.S.G. = *Campylium polygamum*
Amblystegium porphyrrhizon Schimp. = *A. juratzkanum* var. *serotinum*
Amblystegium pseudoconfervoides Kindb. = *Platydictya confervoides*
Amblystegium riparium (Hedw.) B.S.G. = *Leptodictyum riparium*
Amblystegium riparium var. *flaccidum* (Lesq. & James) Ren. & Card. = *Leptodictyum riparium*
Amblystegium riparium var. *fluitans* (Lesq. & James) Ren. & Card. = *Leptodictyum riparium* f. *fluitans*
Amblystegium saxatile Schimp. = *Campylium radicale*
Amblystegium sprucei (Bruch) B.S.G. = *Platydictya jungermannioides*
Amblystegium stellatum (Hedw.) Lindb. = *Campylium stellatum*
Amblystegium subcompactum C. Müll. & Kindb. *in* Mac. & Kindb. = *Rhynchostegiella compacta*
Amblystegium subtile (Hedw.) B.S.G. = *Platydictya subtile*
Amblystegium tenax (Hedw.) C. Jens. = *Hygroamblystegium tenax*
Amblystegium trichopodium (Schultz) C. Hartm. = *Leptodictyum trichopodium*
Amblystegium vacillans Sull. = *Leptodictyum vacillans*
Amblystegium yuratzkae Schimp. *ex* Mac. & Kindb. — *nomen nudum*
Amphoridium lapponicum (Hedw.) Schimp. = *Amphidium lapponicum*
Amphoridium sullivantii (C. Mull.) Lesq. & James = *Leptodontium viticulosoides* (P. Beauv.) Wijk & Marg. — Specimens named this by North American authors = *L. excelsum*

Anacolia aristifolia Flow. = *A. menziesii* f. *grandifolia*
Andreaea alpestris (Thed.) B.S.G. = *A. rupestris*
Andreaea papillosa Lindb. = *A. rupestris* var. *acuminata*
Andreaea petrophila Fürnr. = *A. rupestris*
Andreaea petrophila ssp. *sublaevis* (Kindb.) Kindb. = *A. rupestris* var. *acuminata*
Andreaea petrophila var. *acuminata* B.S.G. = *A. rupestris* var. *acuminata*
Andreaea rothii ssp. *falcata* (B.S.G.) Lindb. = *A. rothii* var. *papillosa* C. Müll.— *nomen confusum*
Andreaea rothii var. *crassinervia* (Bruch) Mönk. = *A. crassinervia*
Andreaea rothii var. *falcata* (B.S.G.) Lindb. *in* Braithw. = *A. rothii* var. *papillosa*
Andreaea rupestris var. *alpestris* (Thed.) Sharp = *A. rupestris*
Anisothecium Mitt. = *Dicranella*
Anisothecium vaginale (Hedw.) Loeske = *Dicranella crispa*
Anodus donianus (Sm.) B.S.G. = *Seligeria donniana*
Anoectangium mougeotii (B.S.G.) Lindb. = *Amphidium mougeotii*
Anomobryum concinnatum (Spruce) Lindb. = *Pohlia filiformis*
Anomobryum filiforme (Dicks.) Solms. *in* Rabenh. = *Pohlia filiformis*
Anomodon apiculatus Sull. *in* Gray = *A. rugelii*
Anomodon glabellus Kindb. *in* Mac. — *nomen nudum*
Anomodon heteroideus Kindb. *in* Mac. & Kindb. = *Leskeella nervosa* var. *flagellifera*
Anomodon obtusifolius Bruch & Schimp. = *A. minor*
Anomodon platyphyllus Kindb. = *A. minor*
Anomodon subrigiaulus Kindb. = *Leskeella nervosa* var. *subrigidula*
Anomodon tristis (Ces. *ex* De Not.) Sull. & Lesq. = *Haplohymenium triste*
Antitrichia tenella Kindb. = *A. californica*
Aphanorrhegma patens (Hedw.) Lindb. = *Physcomitrella patens*
Arctoa blyttii (B.S.G.) Loeske = *Kiaeria blyttii*
Arctoa falcata (Hedw.) Loeske = *Kiaeria falcata*
Arctoa starkei (Web. & Mohr) Loeske = *Kiaeria starkei*
Atrichum crispum var. *molle* (Holz.) Frye *in* Grout = *A. tenellum*
Atrichum leiophyllum Kindb. = *Oligotrichum parallelum*
Atrichum macmillani (Holz.) Frye *in* Grout = *A. angustatum*
Atrichum papillosum (Jenn.) Frye *in* Grout = *A. angustatum*
Atrichum parallelum Mitt. = *Oligotrichum parallelum*
Atrichum paraphyllium Wareh. = *A. oerstedianum*
Atrichum rosulatum C. Müll. & Kindb. *in* Mac. & Kindb. = *A. selwynii*
Atrichum undulatum var. *altecristatum* Ren. & Card. = *A. altecristatum*
Atrichum undulatum var. *gracilisetum* Besch. = *A. hausknechtii*
Atrichum undulatum var. *hausknechtii* (Jur. & Milde) Frye *in* Grout = *A. hausknechtii*
Atrichum undulatum var. *minus* (Hedw.) Par. — Excluded from Canada
Atrichum undulatum var. *selwynii* (Aust.) Frye *in* Grout = *A. selwynii*
Atrichum xanthopelma (C. Müll.) Jaeg. & Sauerb. = *A. angustatum*
Aulacomnium palustre var. *laxifolium* Kindb. *in* Mac. & Kindb. = *A. palustre* f. *laxifolium*
Barbula aciphylla B.S.G. = *Tortula norvegica*
Barbula alpina B.S.G. = *Tortula sinensis*
Barbula ambigua B.S.G. = *Aloina aloides* var. *ambigua*
Barbula amplexa Lesq. = *Tortula amplexa*
Barbula angustata (Schimp.) Mac. & Kindb. = *Tortula subulata* var. *angustata*
Barbula asperifolia Mitt. = *Didymodon asperifolius*
Barbula brevirostris (Hook. & Grev.) Bruch *in* F. Müll. = *Aloina brevirostris*
Barbula caespitosa Schwaegr. = *Tortella humilis*
Barbula circinnatula C. Müll. & Kindb. *in* Mac. & Kindb. = *B. cylindrica*
Barbula fallax var. *recurvifolia* (Wils.) Husn. = *B. reflexa*
Barbula fragilis (Hook. & Wils.) B.S.G. = *Tortella fragilis*

Barbula horridifolia C. Müll. & Kindb. *in* Mac. & Kindb. = *B. cylindrica*
Barbula inclinatula C. Müll. & Kindb. *in* Mac. & Kindb. = *Tortella inclinata*
Barbula johansenii Williams = *Didymodon johansenii*
Barbula laevipila (Brid.) Garov. = *Tortula laevipila*
Barbula laeviuscula Kindb. = *Tortula ruralis*
Barbula leptotricha C. Müll. & Kindb. *in* Mac. & Kindb. = *Tortula ruralis* var. *crinita*
Barbula lurida (Hornsch.) Lindb. = *Didymodon trifarius* (Hedw.) Röhl. — Excluded from Canada
Barbula macrorrhyncha Kindb. *in* Mac. & Kindb. = *Aloina brevirostris*
Barbula megalocarpa Kindb. = *Tortula princeps*
Barbula montana (Mitt.) Jaeg. & Sauerb. = *Didymodon montanus*
Barbula mucronifolia (Schwaegr.) Garov. = *Tortula mucronifolia*
Barbula papillinervis C. Müll. & Kindb. *in* Mac. & Kindb. = *Tortula pulvinata* ssp. *papillinervis*
Barbula pseudorigidula Kindb. *in* Mac. & Kindb. = *B. cylindrica*
Barbula recurvifolia Schimp. = *B. reflexa*
Barbula rigida Hedw. = *Aloina rigida*
Barbula rigidula (Hedw.) Milde = *Didymodon rigidulus*
Barbula rubella (Hüb.) Mitt. *ex* Lindb. = *Bryoerythrophyllum recurvirostrum*
Barbula ruralis Hedw. = *Tortula ruralis*
Barbula spadicea (Mitt.) Braithw. = *Didymodon spadiceus*
Barbula subcarnifolia C. Müll. & Kindb. *in* Mac. & Kindb. = *Desmatodon porteri*
Barbula subgracilis var. *viridior* Kindb. = *Didymodon rigidulus*
Barbula subulata (Hedw.) P. Beauv. = *Tortula subulata*
Barbula tortuosa (Hedw.) Web. & Mohr = *Tortella tortuosa*
Barbula vahliana Schultz = *Tortula vahliana*
Barbula vinealis ssp. *cylindrica* (Tayl.) Podp. = *B. cylindrica*
Bartramia breviseta Lindb. = *B. ithyphylla* var. *breviseta*
Bartramia circinnulata C. Müll. & Kindb. *in* Mac. & Kindb. = *B. pomiformis* var. *elongata*
Bartramia crispa Brid. = *B. pomiformis* var. *elongata*
Bartramia fontana (Hedw.) Turn. = *Philonotis fontana*
Bartramia glauco-viridis C. Müll. & Kindb. *in* Mac. & Kindb. = *B. pomiformis*
Bartramia marchica (Hedw.) Sw. *in* Schrad. = *Philonotis marchica*
Bartramia menziesii Turn. = *Anacolia menziesii*
Bartramia oederi Brid. = *Plagiopus oederiana*
Bartramia oederi (*-ana*) var. *minor* Kindb. *in* Mac. & Kindb. — *nomen nudum*
Bartramia oederiana Turn. = *Plagiopus oederiana*
Bartramia pomiformis var. *crispa* (Brid.) B.S.G. = *B. pomiformis* var. *elongata*
Bestia breweriana (Lesq.) Grout = *Isothecium cristatum*
Bestia holzingeri (Ren. & Card.) Broth. = *B. vancouveriensis*
Brachythecium acuminatum ssp. *cyrtophyllum* (Kindb.) Kindb. *in* Mac. & Kindb. = *B. acuminatum*
Brachythecium acuminatum var. *setosum* (Hedw.) Rau & Herv. = *B. acuminatum*
Brachythecium asperrimum (Mitt.) Sull. = *B. frigidum*
Brachythecium bestii Grout = *B. reflexum* var. *pacificum*
Brachythecium cavernosum Kindb. = *B. rutabulum*
Brachythecium columbico-rutabulum Kindb. *in* Mac. & Kindb. = *B. frigidum*
Brachythecium cyrtophyllum Kindb. = *B. acuminatum*
Brachythecium donnellii (Aust.) Ren. & Card. = *Stereophyllum leucostegum*
Brachythecium flagellare (Hedw.) Jenn. = *B. plumosum*
Brachythecium flexicaule Ren. & Card *in* Grout = *B. calcareum*
Brachythecium gemmascens C. Müll. & Kindb. *in* Mac. & Kindb. = *B. frigidum*
Brachythecium glareosum (Spruce) B.S.G. — Excluded from Canada
Brachythecium hillebrandii (Lesq.) Sull. = *B. collinum*
Brachythecium idahense Ren. & Card. = *B. collinum* var. *idahense*
Brachythecium laetum (Brid.) B.S.G. = *B. oxycladon*

Brachythecium laevisetum Kindb. = *B. salebrosum*
Brachythecium lamprochryseum C. Müll. & Kindb. *in* Mac. & Kindb. = *B. frigidum*
Brachythecium lamprochryseum var. *giganteum* Grout = *B. frigidum*
Brachythecium latifolium Kindb. = *B. nelsonii*
Brachythecium leucoglaucum C. Müll. & Kindb. *in* Mac. & Kindb. = *B. rutabulum*
Brachythecium mammilligerum (Kindb.) Kindb. = *B. salebrosum*
Brachythecium mirabundum C. Müll. & Kindb. *in* Mac. & Kindb. = *B. rutabulum*
Brachythecium nanopes C. Müll. & Kindb. *in* Mac. & Kindb. = *B. populeum*
Brachythecium novae-angliae (Sull. & Lesq.) Jaeg. & Sauerb. = *Bryhnia novae-angliae*
Brachythecium oedipodium (Mitt.) Jaeg. & Sauerb. = *B. starkei* ssp. *oedipodium*
Brachythecium petrophilum Williams = *B. velutinum* var. *venustum*
Brachythecium platycladum C. Müll. & Kindb. *in* Mac. & Kindb. = *B. rutabulum* var. *flavescens*
Brachythecium plumosum var. *roellii* (Ren. & Card.) Grout = *B. plumosum*
Brachythecium populeum var. *ovatum* Grout = *B. populeum*
Brachythecium pseudoalbicans Kindb. = *B. albicans*
Brachythecium pseudocollinum Kindb. *in* Mac. & Kindb. = *B. salebrosum*
Brachythecium roellii Ren. & Card. = *B. plumosum*
Brachythecium rutabuliforme Kindb. *in* Mac. & Kindb. = *B. plumosum*
Brachythecium salebrosum var. *waghornei* Ren. & Card. = *B. albicans*
Brachythecium spurio-acuminatum C. Müll. & Kindb. *in* Mac. & Kindb. = *B. oxycladon*
Brachythecium spurio-rutabulum C. Müll. & Kindb. *in* Mac. & Kindb. = *B. frigidum*
Brachythecium starkei var. *curtum* (Lindb.) Warnst. = *B. curtum*
Brachythecium starkei var. *explanatum* (Brid.) Mönk. = *B. curtum*
Brachythecium starkei var. *pacificum* (Ren. & Card. *ex* Röll) Lawt. = *B. reflexum* var. *pacificum*
Brachythecium subasperrimum Card. & Thér. = *B. frigidum*
Brachythecium subglaciale Kindb. — *nomen nudum*
Brachythecium subintricatum Kindb. = *B. frigidum*
Brachythecium thedenii B.S.G. — Excluded from Canada
Brachythecium trachypodium (Brid.) B.S.G. — Excluded from Canada
Brachythecium washingtonianum Eaton *in* Grout = *B. frigidum*
Braunia californica Lesq. = *Pseudobraunia californica*
Breidleria arcuata (Mol.) Loeske = *Hypnum lindbergii*
Breidleria pratense (Koch *ex* Brid.) Loeske = *Hypnum pratense*
Brotherella delicatula (James) Fleisch. = *B. recurvans*
Bryhnia graminicolor var. *holzingeri* (Ren. & Card.) Grout = *B. graminicolor*
Bryobrittonia pellucida Williams = *B. longipes*
Bryum aciculinum Kindb. = *B. pseudotriquetrum* var. *crassirameum*
Bryum acuminatum (Hoppe & Hornsch.) B.S.G. = *Pohlia minor*
Bryum acutiusculum C. Müll. = *B. stenotrichum*
Bryum affine Lindb. & H. Arnell = *B. creberrimum*
Bryum affine var. *cirrhatum* (Hüb.) Braithw. = *B. lonchocaulon*
Bryum agattuense Philib. = *B. brachyneuron*
Bryum albicans (Wahlenb.) Röhl. = *Pohlia wahlenbergii*
Bryum angustirete Kindb. *ex* Mac. = *B. algovicum*
Bryum anoectangiaceum C. Müll. & Kindb. *in* Mac. & Kindb. = *B. pallens*
Bryum archangelicum B.S.G. = *B. salinum*
Bryum arcuatum Limpr. = *B. arcticum* var. *arcuatum*
Bryum atropurpureum Wahlenb. *in* Fürnr. = *Pohlia atropurpurea*
Bryum atwateriae C. Müll. = *B. miniatum*
Bryum aurimontanum Kindb. = *B. arcticum*
Bryum autumnale Limpr. = *B. purpurascens* ssp. *autumnale*
Bryum biddlecomiae Aust. = *B. stenotrichum* var. *biddlecomiae*
Bryum bimum (Brid.) Turn. = *B. pseudotriquetrum*

Bryum brownii B.S.G. = *B. bryoides*
Bryum bullatum C. Müll. = *Pohlia filiformis*
Bryum capillare Hedw. ssp. *heteroneuron* C. Müll. *in* Mac. & Kindb. = *B. capillare*
Bryum capitellatum C. Müll. & Kindb. *in* Mac. & Kindb. = *B. gemmiparum*
Bryum cernuum (Hedw.) B.S.G. = *B. uliginosum*
Bryum cirrhatum Hoppe & Hornsch. = *B. lonchocaulon*
Bryum crassirameum Ren. & Card. = *B. pseudotriquetrum* var. *crassirameum*
Bryum crispulum Hampe *in* Hag. = *B. pseudotriquetrum* ssp. *crispulum*
Bryum crudum (Hedw.) Turn. = *Pohlia cruda*
Bryum cuspidatum (B.S.G.) Schimp. = *B. creberrimum*
Bryum cyclophyllum (Schwaegr.) B.S.G. = *B. tortifolium*
Bryum dawsonense Williams = *B. nitidulum*
Bryum denticulatum Kindb. = *B. turbinatum*
Bryum donii Grev. *ex* Kindb. = *B. donianum*
Bryum donii ssp. *obconicum* Hornsch. = *B. capillare* var. *cenomanicum*
Bryum duvalii Voit *in* Sturm = *B. weigelii*
Bryum duvalii var. *gaspeanum* Kindb. *in* Mac. & Kindb. = *B. turbinatum*
Bryum duvalii var. *latodecurrens* C. Müll. & Kindb. *in* Mac. & Kindb. = *B. weigelii*
Bryum edwardsianum C. Müll. & Kindb. *in* Mac. = *B. stenotrichum*
Bryum elegans Nees *in* Brid. = *B. capillare*
Bryum elongatum (Hedw.) With. = *Pohlia elongata*
Bryum erubescens Kindb. *in* Mac. & Kindb. = *B. stenotrichum* var. *biddlecomiae*
Bryum erythrophylloides Kindb. *in* Mac. & Kindb. = *B. turbinatum*
Bryum extenuatum Ren. & Card. = *B. turbinatum*
Bryum fallax Milde *in* Rabenh. = *B. pallens* var. *alpinum*
Bryum ferchelii Funck *ex* Brid. = *B. capillare* var. *ferchelii*
Bryum flaccidum Brid. = *B. capillare* var. *flaccidum*
Bryum flagellosum Kindb. = *B. creberrimum*
Bryum flexuosum Aust. = *B. gemmiparum*
Bryum fridtzii Hag. = *B. angustirete* ssp. *fridtzii*
Bryum gemmascens Kindb. = *B. capillare*
Bryum globosum Lindb. = *B. wrightii*
Bryum grandirete Kindb. = *B. turbinatum*
Bryum haematocarpum C. Müll. & Kindb. *in* Mac. & Kindb. = *B. pseudotriquetrum*
Bryum haematophyllum Kindb. *in* Mac. & Kindb. = *B. turbinatum*
Bryum hamicuspis Kindb. = *B. creberrimum*
Bryum hendersonii Ren. & Card. = *B. canariense*
Bryum heteroneuron (C. Müll. & Kindb. *in* Mac. & Kindb.) Ren. & Card. = *B. capillare*
Bryum heteroneuron var. *brevicuspidatum* (Kindb.) Ren. & Card. = *B. capillare*
Bryum hydrophilum Kindb. = *B. pallens*
Bryum inclinatum (Brid.) Bland. = *B. stenotrichum*
Bryum intermedium (Brid.) Bland. — Excluded from Canada
Bryum labradorense Philib. = *B. longisetum* var. *labradorense*
Bryum lacustre (Web. & Mohr) Bland. *in* Sturm = *B. knowltonii*
Bryum languidum Hag. = *B. turbinatum*
Bryum lapponicum ssp. *subinclinatum* Kindb. = *B. inclinatum* ssp. *subinclinatum*
Bryum lescurianum Sull. = *Pohlia lescuriana*
Bryum leucolomatum C. Müll. & Kindb. *in* Mac. & Kindb. = *B. lonchocaulon*
Bryum micans Limpr. = *B. arcticum* var. *micans*
Bryum microcephalum C. Müll. & Kindb. *in* Mac. & Kindb. = *B. caespiticium*
Bryum microglobum C. Müll. & Kindb. *in* Mac. & Kindb. = *B. bicolor*
Bryum neodamense Itzigs *in* C. Müll. = *B. pseudotriquetrum*
Bryum nutans (Hedw.) Turn. = *Pohlia nutans*
Bryum nutans var. *elongatum* Bruch & Schimp. = *Pohlia nutans*?
Bryum obtusifolium Lindb. = *B. tortifolium*
Bryum occidentale Sull. = *B. bicolor*

Bryum oeneum Blytt *ex* B.S.G. = *B. aeneum*
Bryum obligochloron C. Müll. & Kindb. *in* Mac. & Kindb. = *B. caespiticium*
Bryum ontariense Kindb. = *Rhodobryum ontariense*
Bryum opdalense Limpr. = *B. purpurascens* var. *opdalense*
Bryum oreganum Sull. = *B. capillare*
Bryum ovatum Jur. = *B. pseudotriquetrum*
Bryum pallens var. *meesioides* (Kindb. *in* Mac.) Broth. = *B. meesioides*
Bryum pearyanum Bryhn = *B. purpurascens*
Bryum pendulum (Hornsch.) Schimp. = *B. algovicum*
Bryum pendulum ssp. *nanum* Kindb. = *B. angustirete* ssp. *parvulum*
Bryum percurrentinerve Kindb. = *B. gemmiparum*
Bryum producticolle Kindb. = *B. lonchocaulon*
Bryum purpurascens ssp. *autumnale* (Limpr.) Amann = *B. purpurascens* var. *autumnale*
Bryum pygmaeo-alpinum C. Müll. & Kindb. *in* Mac. & Kindb. = *B. muehlenbeckii*
Bryum pyriforme (Hedw.) Lam. & Cand. = *Leptobryum pyriforme*
Bryum pyriforme (Hedw.) With. = *Physcomitrium pyriforme*
Bryum rauei Aust. = *B. muehlenbeckii*
Bryum retusum Hag. = *B. salinum*
Bryum revelstokense Kindb. = *B. lonchocaulon*
Bryum roellii Philib. = *B. algovicum*
Bryum roseum (Hedw.) Crom. = *Rhodobryum roseum*
Bryum rubicundulum C. Müll. & Kindb. *in* Mac. & Kindb. = *B. muehlenbeckii*
Bryum rutilans Brid. = *B. aeneum*
Bryum sandbergii Holz. = *Roellia roellii*
Bryum simplex Kindb. *in* Mac. & Kindb. = *Roellia roellii*
Bryum speirophyllum Kindb. = *B. capillare*
Bryum stirtonii Schimp. = *B. capillare* var. *barbatum*
Bryum streptophyllum Kindb. = *B. capillare*
Bryum submicans Kindb. = *B. arcticum*
Bryum submuticum Philib. = *B. turbinatum*
Bryum suborbiculare Philib. = *B. turbinatum*
Bryum subpurpurascens Kindb. *in* Mac. & Kindb. = *B. pallens*
Bryum subrotundum Brid. = *B. pallescens* var. *subrotundum*
Bryum subtumidum Limpr. *in* Jaeg. = *B. salinum*
Bryum synoico-caespiticium C. Müll. & Kindb. *in* Mac. & Kindb. = *B. caespiticium*
Bryum tomentosum (Joerg.) Hag. = *B. arcticum* var. *tomentosum*
Bryum tomentosum Kindb. = *B. capillare*
Bryum torquescens Bruch *ex* De Not. = *B. capillare* var. *torquescens*
Bryum trichophorum Kindb. = *B. capillare*
Bryum vancouveriense Kindb. = *B. caespiticium*
Bryum ventricosum Relh. = *B. pseudotriquetrum*
Bryum ventricosum var. *compactum* (B.S.G.) Lindb.= *B. pseudotriquetrum* var. *compactum*
Bryum wahlenbergii (Web. & Mohr) Schwaegr. = *Pohlia wahlenbergii*
Buxbaumia indusiata Brid. = *B. viridis*
Buxbaumia subcylindrica Grout = *B. minakatae*
Calliergon cuspidatum (Hedw.) Kindb. = *Calliergonella cuspidata*
Calliergon cuspidatum var. *brevifolium* Sanio *ex* Warnst. = *Calliergonella cuspidata* f. *brevifolium*
Calliergon cuspidatum f. *turgescens* (Wheldon) Karcz. = *Calliergonella cuspidata* f. *abbreviata*
Calliergon richardsonii var. *robustum* (Lindb. & H. Arnell) Broth. *emend.* Karcz. = *C. megalophyllum*
Calliergon schreberi (Brid.) Mitt. = *Pleurozium schreberi*
Calliergon turgescens (T. Jens.) Kindb. = *Scorpidium turgescens*
Calliergonella schreberi (Brid.) Grout = *Pleurozium schreberi*

Camptothecium aeneum (Mitt.) Jaeg. & Sauerb. = *Homalothecium aeneum*
Camptothecium amesiae Ren. & Card. = *Homalothecium pinnatifidum*
Camptothecium arenarium (Lesq.) Jaeg. & Sauerb. = *Homalothecium arenarium*
Camptothecium aureum (Lag.) B.S.G. = *Homalothecium aureum* (Spruce) Robins. — Excluded from Canada
Camptothecium hamatidens (Kindb.) Kindb. = *Homalothecium nuttallii*
Camptothecium hamatidens var. *tenue* Kindb. = *Homalothecium nuttallii*
Camptothecium lutescens (Hedw.) B.S.G. = *Homalothecium lutescens* (Hedw.) Robins. — Excluded from Canada. Most collections thus named are *Homalothecium fulgescens*
Camptothecium nitens (Hedw.) Schimp. = *Tomenthypnum nitens*
Camptothecium nitens var. *falcifolium* Ren. ex Nich. = *Tomenthypnum falcifolium*
Camptothecium nuttallii (Wils.) B.S.G. = *Homalothecium nuttallii*
Camptothecium pinnatifidum (Sull. & Lesq.) Sull. = *Homalothecium pinnatifidum*
Campylium adscendens (Lindb.) Perss. *ex* Perss. & Gjaer. = *Herzogiella adscendens*
Campylium arcticum (Williams) Broth. = *C. stellatum* var. *arcticum*
Campylium hispidulum var. *sommerfeltii* (Myr.) Lindb. = *C. hispidulum*
Campylium protensum (Brid.) Kindb. = *C. stellatum var. protensum*
Campylium sommerfeltii (Myr.) J. Lange = *C. hispidulum*
Campylopus schimperi Milde = *C. subulatus* var. *schimperi*
Campylopus viridis Sull. & Lesq. = *Dicranum viride*
Catharinea angustata (Brid.) Brid. = *Atrichum angustatum*
Catharinea crispa James = *Atrichum crispum*
Catharinea hausknechtii (Jur. & Milde) Broth. = *Atrichum hausknechtii*
Catharinea selwynii (Aust.) Britt. = *Atrichum selwynii*
Catharinea undulata (Hedw.) Web. & Mohr = *Atrichum undulatum*
Ceratodon conicus (Hampe) Lindb. = *C. purpureus* var. *conicus*
Ceratodon purpureus f. *aristatus* Aust. = *purpureus* var. *aristatus*
Chamberlainia acuminata (Hedw.) Grout = *Brachythecium acuminatum*
Chamberlainia cyrtophylla (Kindb.) Grout= *Brachythecium acuminatum*
Chrysohypnum chrysophyllum (Brid.) Loeske = *Campylium chrysophyllum*
Chrysohypnum hispidulum (Brid.) Roth = *Campylium hispidulum*
Chrysohypnum polygamum (B.S.G.) Loeske = *Campylium polygamum*
Chrysohypnum stellatum (Hedw.) Loeske = *Campylium stellatum*
Cinclidium macounii Kindb. = *C. stygium*
Cinclidium polare (Kindb.) Bryhn = *C. subrotundum*
Cinclidotus fontinaloides (Hedw.) P. Beauv. — Excluded from Canada
Cirriphyllum boscii (Schwaegr.) Grout = *Bryoandersonia illecebra*
Cirriphyllum illecebrum (Hedw.) L. Koch = *Bryoandersonia illecebra*
Climacium americanum ssp. *kindbergii* (Ren. & Card.) Kindb. = *C. americanum var. kindbergii*
Climacium kindbergii (Ren. & Card.) Grout = *C. americanum* var. *kindbergii*
Conomitrium julianum (Cand.) Mont. = *Fissidens fontanus*
Conostomum boreale Sw. = *C. tetragonum*
Coscinodon pulvinatus Spreng. = *Grimmia pulvinata*
Cratoneuron falcatum (Brid.) Roth = *C. commutatum var. falcatum*
Ctenidium procerrimum (De Not.) Lindb. = *Hypnum procerrimum*
Cylindrothecium aciculare (C. Müll. & Kindb. *in* Mac. & Kindb.) Ren. & Card. = *Entodon cladorrhizans*
Cylindrothecium cladorrhizans (Hedw.) B.S.G. = *Entodon cladorrhizans*
Cylindrothecium macounii (C. Müll. & Kindb. *in* Mac. & Kindb.) Ren. & Card. = *Hypnum pratense*
Cynodontium alpestre (Wahlenb.) Milde = *Cnestrum alpestre*
Cynodontium gracilescens (Web. & Mohr) Schimp. — Excluded from Canada
Cynodontium polycarpum ssp. *fallax* (Limpr.) Kindb. = *C. fallax*
Cynodontium subalpestre Kindb. *in* Mac & Kindb. = *C. tenellum*

Cynodontium torquescens Limpr. = *C. tenellum*
Cynodontium virens var. *serratum* (B.S.G.) Schimp. = *Oncophorus virens* var. *serratum*
Cynodontium virens var. *wahlenbergii* (Brid.) Schimp. = *Oncophorus wahlenbergii*
Cynodontium wahlenbergii (Brid.) C. Hartm. = *Oncophorus wahlenbergii*
Cynodontium wahlenbergii var. *compactum* (B.S.G.) Mac. & Kindb. = *Oncophorus wahlenbergii* var. *compactum*
Cynodontium wahlenbergii var. *gracile* (Broth.) Mönk. = *Oncophorus wahlenbergii* var. *gracilis*
Desmatodon heimii var. *obtusifolius* (R.Br.) Kuc = *D. heimii* var. *arctica*
Dichelyma capillaceum var. *elongatum* Kindb. *in* Mac. & Kindb. = *D. capillaceum*
Dichelyma cylindricarpum Aust. = *D. uncinatum*
Dichelyma falcatum var. *uncinatum* (Mitt.) Lawt. = *D. uncinatum*
Dichelyma novae-brunsviciae Kindb. *in* Mac. & Kindb. = *D. pallescens*
Dichelyma obtusulum Kindb. *in* Mac. & Kindb. = *D. pallescens*
Dichodontium flavescens (With.) Lindb. = *D. pellucidum* var. *flavescens*
Dichodontium parvulus Kindb. = *Didymodon parvulus*
Dichodontium pellucidum ssp. *fagimontanum* (Brid.) Kindb. = *D. pellucidum* var. *fagimontanum*
Dicranella cerviculatula Kindb. = *Arctoa hyperborea*
Dicranella heteromalla var. *orthocarpa* (Hedw.) Jaeg. & Sauerb. = *D. heteromalla*
Dicranella rubra Lindb. = *D. varia*
Dicranella schreberi Schimp. = *D. schreberiana*
Dicranella schreberi var. *elata* Schimp. = D. schreberiana var. *robusta*
Dicranella squarrosa (Starke) Schimp. = *D. palustris*
Dicranella squarrosa f. *fluitans* Grout = *D. palustris*
Dicranodontium longirostre (Web. & Mohr) B.S.G. = *D. denudatum*
Dicranoweisia contermina Ren. & Card. = *D. crispula* var. *contermina*
Dicranoweisia roellii Kindb. *in* Röll = *D. crispula* var. *roellii*
Dicranum alatum (Barnes) Card. & Thér. = *D. scoparium*
Dicranum algidum Kindb. = *D. spadiceum*
Dicranum arcticum Schimp. = *Kiaeria glacialis*
Dicranum bergeri Bland. *in* Sturm = *D. undulatum*
Dicranum bergeri ssp. *rupincola* Kindb. = *D. acutifolium*
Dicranum blyttii B.S.G. = *Kiaeria blyttii*
Dicranum bonjeanii var. *alatum* Barnes *in* Röll = *D. scoparium*
Dicranum brachycaulon Kindb. = *D. spurium*
Dicranum brevifolium (Lindb.) Lindb. = *D. muehlenbeckii* var. *cirratum*
Dicranum camptophyllum var. *poriferum* Kindb. *in* Mac. — *nomen nudum*
Dicranum canadense Kindb. *in* Mac. = *D. scoparium*
Dicranum cerviculatum Hedw. = *Dicranella cerviculata*
Dicranum columbiae (Kindb.) Ren. & Card. = *D. bonjeanii* ssp. *columbiae*
Dicranum congestiforme C. Müll. & Kindb. *in* Kindb. — *nomen nudum*
Dicranum congestum Brid. = *D. fuscescens* var. *congestum*
Dicranum consobrinum Ren. & Card. = *D. scoparium*
Dicranum crispulum C. Müll. & Kindb. *in* Mac. & Kindb. = *D. fuscescens*
Dicranum drummondii C. Müll. — Excluded from Canada. Most specimens named this species are *D. ontariense.*
Dicranum drummondii var. *trachyneuron* Kindb. = *D. howellii* var. *trachyneuron*
Dicranum falcatum Hedw. = *Kiaeria falcata*
Dicranum fulvellum (Dicks.) Sm. = *Arctoa fulvella*
Dicranum fulvum var. *viride* (Sull. & Lesq.) Frye *in* Grout = *D. viride*
Dicranum fuscescens var. *brevirostre* Kindb. *in* Mac. & Kindb. — *nomen nudum*
Dicranum glaucum Hedw. = *Leucobryum glaucum*
Dicranum gracilescens Web. & Mohr = *Cynodontium gracilescens* (Web. & Mohr) Schimp. — Excluded from Canada
Dicranum heteromallum Hedw. = *Dicranella heteromalla*

Dicranum laevidens Williams = *D. angustum*
Dicranum longifolium Hedw. = *Paraleucobryum longifolium*
Dicranum longifolium var. *subalpinum* Milde = *Paraleucobryum longifolium* var. *subalpinum*
Dicranum molle (Wils.) Lindb. = *Kiaeria glacialis*
Dicranum pallidum Bruch & Schimp. *ex* C. Müll. = *D. scoparium*
Dicranum palustre La Pyl. *in* Brid. = *Campylopus flexuosus*
Dicranum plano-alare C. Müll & Kindb. *in* Mac. & Kindb. = *D. bonjeanii*
Dicranum polycarpum (Hedw.) Web. & Mohr = *Cynodontium polycarpum*
Dicranum pumilum Saut. = *Kiaeria falcata* var. *pumila*
Dicranum roellii (Barnes) Kindb. *in* Röll = *D. bonjeanii var. roellii*
Dicranum rufescens (With.) Turn. = *Dicranella rufescens*
Dicranum rugosum (Funck) Hoffm. *ex* Brid. = *D. polysetum*
Dicranum rugosum Kindb. var. *rugulosum* Kindb. = *D. undulatum*
Dicranum rupincola (Kindb.) Perss. = *D. acutifolium*
Dicranum sabuletorum Ren. & Card. = *D. condensatum*
Dicranum schisti Lindb. = *Kiaeria blyttii*
Dicranum schraderi Wahlenb. = *D. undulatum*
Dicranum schreberi Sw. = *Dicranella schreberiana*
Dicranum scopariiforme Kindb. = *D. scoparium*
Dicranum scoparium var. *scopariiforme* (Kindb.) Kindb. = *D. scoparium*
Dicranum serratum Kindb. = *Paraleucobryum longifolium* ssp. *serratum*
Dicranum starkei Web. & Mohr = *Kiaeria starkei*
Dicranum stenodictyon Kindb. = *D. undulatum*
Dicranum strictum Schleich. *ex* Mohr = *D. tauricum*
Dicranum subpalustre C. Müll. & Kindb. *in* Mac. & Kindb. = *D. bonjeanii*
Dicranum subulatum Hedw. = *Dicranella subulata*
Dicranum subulifolium Kindb. *in* Mac. = *Paraleucobryum sauteri*
Dicranum sulcatum Kindb. *in* Mac. = *D. fuscescens*
Dicranum undulatum Ehrh. *ex* Web. & Mohr = *D. polysetum*
Dicranum undulatum Turn. *(sensu* Kindberg) = *D. bonjeanii*
Dicranum undulifolium C. Müll. & Kindb. *in* Mac. & Kindb. = *D. bonjeanii*
Dicranum varium Hedw. = *Dicranella varia*
Dicranum virens Hedw. = *Oncophorus virens*
Dicranum virens var. *wahlenbergii* (Brid.) Hüb. = *Oncophorus wahlenbergii*
Didymodon alpigenum Vent. *in* Jur. = *Bryoerythrophyllum alpigenum*
Didymodon cylindricus (Brid.) B.S.G. = *Trichostomum tenuirostre*
Didymodon luridus Hornsch. *in* Spreng. = *D. trifarius* (Hedw.) Röhl. — Excluded from Canada
Didymodon recurvirostris (Hedw.) Jenn. = *Bryoerythrophyllum recurvirostrum*
Didymodon riparius (Aust.) Kindb. = *Hyophila involuta*
Didymodon rubellus B.S.G. = *Bryoerythrophyllum recurvirostrum*
Didymodon trachyneuron Kindb. = *Trichostomum tenuirostre*
Didymodon trifarius (Hedw.) Röhl. — Excluded from Canada
Dissodon splachnoides Grev. & H. Arnell = *Tayloria serrata* var. *tenuis*
Distichium macounii C. Müll. & Kindb. *in* Mac. & Kindb. = *Ditrichum flexicaule* var. *densum*
Ditrichum cylindricum (Hedw.) Grout = *Trichodon cylindricus*
Ditrichum giganteum Williams = *D. flexicaule* var. *sterile*
Ditrichum glaucescens (Hedw.) Hampe = *Saelania glaucescens*
Ditrichum homomallum (Hedw.) Hampe = *D. heteromallum*
Ditrichum tenuifolium Lindb. = *Trichodon cylindricus*
Ditrichum tortile (Schrad.) Brockm. = *D. pusillum* var. *tortile*
Ditrichum tortile ssp. *pusillum* Hedw. = *D. pusillum*
Ditrichum tortuloides Grout = *D. ambiguum*
Ditrichum vaginans (Sull.) Hampe = *D. lineare*
Drepanocladus aduncus var. *capillifolius* (Warnst.) Wynne = *D. capillifolius*

Drepanocladus aduncus var. *kneiffii* f. *intermedius* (B.S.G.) Mönk. = *D. intermedius*
Drepanocladus aduncus var. *typicus* f. *capillifolius* Mönk. = *D. capillifolius*
Drepanocladus aduncus f. *aquaticus* (Sanio) Mönk. = *D. aduncus* var. *aquaticus*
Drepanocladus brevifolius (Lindb.) Warnst. = *D. lycopodioides* var. *brevifolius*
Drepanocladus exannulatus var. *alpinus* (Grav.) Wijk & Marg. = *D. exannulatus* f. *brachydictyus*
Drepanocladus exannulatus var. *brachydictyus* (Ren.) Grout = *D. exannulatus* f. *brachydictyus*
Drepanocladus exannulatus var. *tundrae* (H. Arnell) Warnst. = *D. tundrae*
Drepanocladus exannulatus f. *tundrae* (H. Arnell) Mönk. = *D. tundrae*
Drepanocladus fluitans var. *falcatus* (B.S.G.) Roth = *D. fluitans* var. *uncatus*
Drepanocladus fluitans var. *falcifolius* f. *viridis* Boul. = *D. exannulatus*
Drepanocladus fluitans f. *gracilis* Boul. = *D. fluitans* var. *gracilis*
Drepanocladus fluitans f. *jeanbernati* (Ren.) Mönk. = *D. fluitans* var. *jeanbernati*
Drepanocladus intermedius (Lindb. *ex* C. Hartm.) Warnst. = *D. revolvens* var. *intermedius*
Drepanocladus latinervis Warnst. = *D. sendtneri*
Drepanocladus polycarpus (Voit) Warnst. = *D. aduncus* var. *polycarpus*
Drepanocladus purpurascens (Schimp.) Loeske = *D. exannulatus*
Drepanocladus schulzei (Limpr.) Loeske = *D. fluitans* var. *uncatus*
Drepanocladus scorpioides (Hedw.) Warnst. = *Scorpidium scorpioides*
Drepanocladus serratus (Milde) Warnst. = *D. exannulatus* var. *serratus*
Drepanocladus submersus (Schimp.) Warnst. = *D. fluitans* var. *submersus*
Drepanocladus subpiligerus Ren. — *nomen nudum*
Drummondia canadensis (Kindb.) Kindb. = *D. prorepens*
Drummondia clavellata Hook. *in* Drumm. = *D. prorepens*
Drummondia clavellata var. *canadensis* Kindb. *in* Mac. & Kindb. = *D. prorepens*
Elodium blandowii (Web. & Mohr) Broth. = *Helodium blandowii*
Elodium paludosum Aust. = *Helodium paludosum*
Encalypta contorta Hoppe *ex* Lindb. = *E. streptocarpa* Hedw. — Excluded from Canada
Encalypta cucullata C. Müll. & Kindb. *in* Mac. & Kindb. = pp. *E. vulgaris* & pp. *E. procera*
Encalypta laciniata Lindb. = *E. ciliata*
Encalypta longipes Mitt. = *E. procera*
Encalypta macounii Aust. = *E. affinis*
Encalypta rhabdocarpa Schwaegr. = *E. rhaptocarpa*
Encalypta selwynii Aust. = *E. procera*
Encalypta streptocarpa Hedw. — Excluded from Canada. Most collections thus named are *E. procera.*
Encalypta subbrevicolla Kindb. = *E. brevicolla*
Encalypta subspathulata C. Müll. & Kindb. *in* Mac. & Kindb. = *E. rhaptocarpa* var. *subspathulata*
Entodon acicularis C. Müll. & Kindb. *in* Mac. & Kindb. = *E. cladorrhizans*
Entodon compressum (Hedw.) C. Müll. = *E. challengeri*
Entodon macounii C. Müll. & Kindb. *in* Mac. & Kindb. = *Hypnum pratense*
Entodon repens var. *orthoclados* (Kindb.) Grout = *Platygyrium repens*
Entosthodon fascicularis (Hedw.) C. Müll. = *E. leibergii*
Entosthodon neoscoticus M.S. Brown = *Desmatodon randii*
Ephemerum minutissimum Lindb. = *E. serratum* var. *angustifolium*
Eurhynchium acutifolium Kindb. = *Stokesiella praelonga* var. *stokesii*
Eurhynchium boscii Jaeg. & Sauerb. = *Bryoandersonia illecebra*
Eurhynchium confertum (Dicks.) Milde = *Rhynchostegium confertum*
Eurhynchium dawsonii Kindb. — Provisionally excluded from Canada.
Eurhynchium diversifolium B.S.G. = *E. pulchellum* var. *diversifolium*
Eurhynchium fallax (Ren. & Card.) Grout = *E. pulchellum*
Eurhynchium graminicolor (Brid.) Par. = *Bryhnia graminicolor*

Eurhynchium labradoricum Kindb. = *Brachythecium labradoricum*
Eurhynchium macounii Kindb. = *Scleropodium tourettei* var. *colpophyllum*
Eurhynchium murale (Hedw.) Milde = *Rhynchostegium murale*
Eurhynchium myosuroides (Brid.) Schimp. = *Isothecium eumyosuroides*
Eurhynchium oreganum (Sull.) Jaeg. & Sauerb. = *Stokesiella oregana*
Eurhynchium piliferum (Hedw.) B.S.G. = *Cirriphyllum piliferum*
Eurhynchium praelongum (Hedw.) B.S.G. = *Stokesiella praelonga*
Eurhynchium praelongum var. *stokesii* (Turn.) Dix. = *Stokesiella praelonga* var. *stokesii*
Eurhynchium pseudoserrulatum Kindb. = *Brachythecium starkei* (Brid.) B.S.G. according to Grout (1898), however, Ontario isosyntype is *B. rutabulum*
Eurhynchium pseudovelutinoides Kindb. = *Brachythecium pseudovelutinoides*
Eurhynchium rusciforme Milde = *E. riparioides*
Eurhynchium scabridum (Lindb.) Kindb. = *Bryhnia novae-angliae*
Eurhynchium semiasperum C. Müll. & Kindb. *in* Mac. & Kindb. = *Brachythecium plumosum*
Eurhynchium serrulatum (Hedw.) Kindb. = *Rhynchostegium serrulatum*
Eurhynchium serrulatum ssp. *ericense* Kindb. = *Rhynchostegium serrulatum*
Eurhynchium stokesii (Turn.) B.S.G. = *Stokesiella praelonga* var. *stokesii*
Eurhynchium stokesii ssp. *pseudospeciosum* Kindb. = *Stokesiella praelonga* var. *stokesii*
Eurhynchium strigosum (Web. & Mohr) B.S.G. = *E. pulchellum*
Eurhynchium strigosum ssp. *praecox* (Hedw.) Kindb. = *E. pulchellum* var. *praecox*
Eurhynchium strigosum var. *robustum* Röll = *E. pulchellum*
Eurhynchium subcaespitosum Kindb. = *Scleropodium subcaespitosum*
Eurhynchium subscabridum Kindb. = *Bryhnia graminicolor*
Eurhynchium substrigosum Kindb. *in* Mac. & Kindb. = *E. pulchellum*
Eurhynchium sullivantii (Spruce) Jaeg. & Sauerb. = *Bryhnia graminicolor*
Eurhynchium vaucheri (Lesq.) B.S.G. = pp. *Hypnum vaucheri* and pp. *Cirriphyllum tenuinerve*
Fissidens adianthoides var. *immarginatus* Lindb. *ex* Lesq. & James = *F. adiantoides*
Fissidens adianthoides var. *instatus* Kindb. *in* Mac. — *nomen nudum*
Fissidens bryoides var. *incurvus* (Röhl.) Bertsch = *F. viridulus*
Fissidens bryoides var. *viridulus* (Sw.) Broth. = *F. viridulus*
Fissidens debilis Schwaegr. = *F. fontanus*
Fissidens decipiens De Not. = *F. cristatus*
Fissidens incurvus Starke *ex* Röhl. = *F. viridulus*
Fissidens julianus (Cand.) Schimp. = *F. fontanus*
Fissidens julianus var. *americanus* Kindb. = *F. fontanus*
Fissidens minutulus Sull. = *F. viridulus*
Fissidens pusillus (Wils.) Milde = *F. viridulus*
Fissidens tamarindifolius (Turn.) Brid. = *F. viridulus*
Fissidens viridulus var. *tamarindifolius* (Turn.) Grout = *F. viridulus*
Fontinalis antipyretica var. *patula* (Card.) Welch *in* Grout = *F. patula*
Fontinalis biformis Sull. *in* Gray = *F. sphagnifolia*
Fontinalis cardotii (Ren.) Card. = *F. novae-angliae*
Fontinalis delamarei Ren. & Card. = *F. novae-angliae*
Fontinalis disticha Hook. & Wils. *in* Drumm. = *F. sullivantii*
Fontinalis duriaei Schimp. = *F. hypnoides* var. *duriaei*
Fontinalis gigantea Sull. *in* Sull. & Lesq. = *F. antipyretica* var. *gigantea*
Fontinalis kindbergii Ren. & Card. = *F. howellii*
Fontinalis lescurii Sull. *in* Sull. & Lesq. = *F. novae-angliae*
Fontinalis nitida Lindb. & H. Arnell = *F. duriaei*
Fontinalis novae-angliae ssp. *involuta* (Ren. & Card.) Kindb. = *F. novae-angliae*
Fontinalis novae-angliae var. *cymbifolia* (Aust.) Welch *in* Grout = *F. novae-angliae*
Fontinalis novae-angliae var. *delamarei* (Ren. & Card.) Welch *in* Grout = *F. novae-angliae*

Fontinalis seriata Lindb. = *F. dalecarlica*
Fontinalis squamosa ssp. *delamarei* (Ren. & Card.) Card. = *F. novae-angliae*
Forsstroemia nitida Lindb. = *Neomacounia nitida*
Funaria microstoma var. *obtusifolia* Grout = *F. arctica*
Funaria calcarea Wahl. = *F. muhlenbergii*
Funaria hygrometrica var. *arctica* Berggr. = *F. arctica*
Georgia cuspidata Kindb. = *Tetraphis pellucida*
Georgia geniculata (Mild.) Brockm. = *Tetraphis geniculata*
Georgia pellucida (Hedw.) Rabenh. = *Tetraphis pellucida*
Georgia trachypoda Kindb. = *Tetraphis geniculata*
Girgensohnia ruthenica (Weinm.) Kindb. = *Pleuroziopsis ruthenica*
Glyphomitrium canadense Mitt. = *G. daviesii* (With.) Brid. — Excluded from Canada
Gollania densepinnata Dix. = *G. turgens*
Grimmia alpestris (Web. & Mohr) Schleich. *ex* Nees = *G. tenerrima*
Grimmia alpestris var. *holzingeri* (Card. & Thér.) Jones *in* Grout = *G. tenerrima*
Grimmia alpestris var. *manniae* (C. Müll.) Jones *in* Grout = *G. tenerrima*
Grimmia alpicola var. *papillosa* (G. Jones) Hab. = *G. alpicola* var. *rivularis* f. *papillosa*
Grimmia angusta (Hag.) Broth. = *G. agassizii*
Grimmia apocarpa var. *conferta* (Funck) Spreng. = *G. apocarpa*
Grimmia apocarpa var. *dupretii* (Thér.) Sayre = *G. alpicola* var. *dupretii*
Grimmia apocarpa var. *gracilis* (Schleich.) Web. & Mohr = *G. apocarpa* var. *stricta*
Grimmia apocarpa var. *rivularis* (Brid.) Nees & Hornsch. = *G. alpicola* var. *rivularis*
Grimmia apocarpa f. *canadensis* Loeske = *G. apocarpa*
Grimmia apocarpa f. *epilosa* Warnst. = *G. apocarpa*
Grimmia canadensis Kindb. = *G. trichophylla*
Grimmia chloroblasta Kindb. *in* Mac. & Kindb. = *G. heterophylla*
Grimmia commutata Hüb. = *G. ovalis*
Grimmia compacta Kindb. — *nomen nudum*
Grimmia conferta Funck = *G. apocarpa* var. *conferta*
Grimmia conferta var. *compacta* Lesq. & James = *G. apocarpa*
Grimmia contorta (Wahlenb.) Arnott = *G. incurva*
Grimmia crassinervia (*-is*) (C. Müll.) Mac. & Kindb. = *G. maritima*
Grimmia densa Kindb. = *G. trichophylla*
Grimmia depilata Kindb. *in* Mac. & Kindb. = *G. trichophylla*
Grimmia dupretii Thér. = *G. alpicola* var. *dupretii*
Grimmia flaccida (De Not.) Lindb. = *G. apocarpa* var. *pulvinata*
Grimmia gracilis Schleich. *ex* Schwaegr. = *G. apocarpa* var. *stricta*
Grimmia manniae C. Müll. = *G. donniana* var. *manniae*
Grimmia microtricha C. Müll. & Kindb. *in* Mac. & Kindb. = *G. donniana*
Grimmia muehlenbeckii Schimp. = *G. trichophylla* var. *tenuis* (Wahlenb.) Wijk & Marg. — Excluded from Canada
Grimmia nivalis Kindb. = *G. donniana*
Grimmia ovalis f. *affinis* (Hoppe & Hornsch. *ex* Hornsch.) G. Jones *in* Grout = *G. affinis*
Grimmia ovata Web. & Mohr = *G. ovalis*
Grimmia patens (Hedw.) B.S.G. = *Dryptodon patens*
Grimmia pennsylvanica Schwaegr. *ex* Sull. & Lesq. = *G. pilifera*
Grimmia plagiopodia ssp. *brandegei* (Aust.) Kindb. = *G. apocarpa*
Grimmia plagiopodia var. *pilifera* Lesq. & James = *G. apocarpa*
Grimmia platyphylla Mitt. = *G. alpicola* var. *latifolia*
Grimmia procera Kindb. = *G. leibergii*
Grimmia prolifera C. Müll. & Kindb. *in* Mac. & Kindb. = *G. torquata*
Grimmia rivularis Brid. = *G. alpicola* var. *rivularis*
Grimmia sarcocalyx Kindb. *in* Mac. & Kindb. = *G. laevigata*
Grimmia stricta Turn. = *G. apocarpa* var. *stricta*

Grimmia subflaccida Kindb. = *G. apocarpa* var. *pulvinata*
Grimmia tenella (C. Müll.) Mac. & Kindb. = *G. donniana*
Grimmia tenuicaulis Williams = *G. tenera*
Grimmia tortifolia Kindb. = *G. torquata*
Grimmia tortifolia ssp. *pellucida* Kindb. *in* Röll = *G. torquata*
Grimmia trichophylla var. *muehlenbeckii* (Schimp.) Husn. = *G. trichophylla* var. *tenuis* (Wahlenb.) Wijk & Marg. — Excluded from Canada
Grimmia velutina Kindb. = *G. dc.nniana* var. *manniae*
Gymnostomum calcareum var. *brevifolium* Schimp. = *G. calcareum* Nees & Hornsch.
Gymnostomum calcareum var. *intermedium* Schimp. — Excluded from Canada
Gymnostomum curvirostrum (*-is*) (*-e*) Hedw. *ex* Brid. = *G. recurvirostrum*
Gymnostomum curvirostrum var. *commutatum* (Mitt.) Card. & Thér. = *G. recurvirostrum* var. *commutatum*
Gymnostomum pusilla Kindb. *in* Mac. = *G. calcareum* Nees & Hornsch.
Gymnostomum recurvirostrum var. *scabrum* (Lindb.) Grout = *G. recurvirostrum* var. *latifolium*
Gymnostomum rupestre (-is) Schleich. *ex* Schwaegr. = *G. aeruginosum*
Gymnostomum tenue Schrad. *ex* Hedw. = *Gyroweisia tenuis*
Haplodon = *Aplodon*
Harpidium kneiffii var. *laxum* (Milde) Williams = *Drepanocladus aduncus* f. *laxus*
Harpidium polycarpum (Voit) Williams = *Drepanocladus aduncus* var. *polycarpus*
Hedwigia albicans Lindb. = *H. ciliata*
Hedwigia albicans var. *subnuda* (Kindb.) C. Mohr = *H. ciliata* f. *viridis*
Hedwigia ciliata ssp. *subnuda* Kindb. *in* Mac. & Kindb. = *H. ciliata* f. *viridis*
Hedwigia ciliata var. *secunda* B.S.G. = *H. ciliata* f. *secunda*
Hedwigia ciliata var. *subnuda* Kindb. *ex* G. Jones *in* Grout = *H. ciliata* f. *viridis*
Hedwigia ciliata var. *viridis* B.S.G. = *H. ciliata* f. *viridis*
Helodium blandowii var. *helodioides* (Ren. & Card. *ex* Röll) Crum, Steere, & Anders. = *H. blandowii*
Helodium lanatum (Brid.) Broth. = *H. blandowii*
Helodium pratense W. Koch *ex* Moxley = *Hypnum pratense*
Helodium reptile Michx. *ex* Moxley = *Hypnum pallescens*
Heterocladium aberrans Ren. & Card. = *H. procurrens*
Heterocladium frullaniopsis C. Müll. & Kindb. *in* Mac. & Kindb. = *Pterigynandrum filiforme*
Heterocladium heteropteroides Best = *H. macounii*
Heterocladium heteropteroides var. *filescens* Best = *H. macounii*
Heterocladium heteropterum (Brid.) B.S.G. = *H. macounii*
Heterocladium papillosum (Lindb.) Lindb. = *Pseudoleskeella papillosa*
Heterocladium squarrosulum Lindb. = *H. dimorphum*
Heterocladium vancouveriense (Kindb.) Kindb. *in* Mac. & Kindb. = *Bestia vancouveriensis*
Heterophyllium haldanianum (Grev.) Fleisch. = *Callicladium haldanianum*
Holmgrenia chrysea (Schwaegr.) Lindb. = *Orthothecium chryseum*
Holmgrenia intricata (C.J. Hartm.) Lindb. = *Orthothecium intricatum*
Holmgrenia stricta (Lor.) Grout = *Orthothecium strictum*
Homalia jamesii Schimp. = H. trichomanoides
Homalia macounii C. Müll. & Kindb. *in* Mac. & Kindb. = *H. trichomanoides*
Homalothecium corticola Kindb. *in* Mac. & Kindb. = *H. nevadense*
Homalothecium lutescens (Hedw.) Robins. — Excluded from Canada
Homalothecium nevadense var. *subulatum* Ren. & Card. *in* Röll = *H. nevadense*
Homalothecium nitens (Hedw.) Robins = *Tomenthypnum nitens*
Homalothecium nitens var. *falcifolium* (Ren. ex Nich.) Wijk & Marg. = *Tomenthypnum falcifolium*
Homalothecium nuttallii var. *tenue* (Kindb.) Grout = *H. nuttallii*
Homalothecium pseudosericeum (C. Müll.) Jaeg. & Sauerb. = *H. fulgescens*

Homalothecium sericeoides C. Müll. & Kindb. *in* Mac. & Kindb. = *H. nevadense*
Hygroamblystegium filicinum (Hedw.) Loeske = *Cratoneuron filicinum*
Hygroamblystegium fluviatile var. *orthocladum* (P. Beauv.) Crum, Steere, & Anders. = *H. tenax*
Hygroamblystegium irriguum (Hook. & Wils.) Loeske = *H. tenax*
Hygroamblystegium irriguum var. *spinifolium* (Schimp.) Mönk. = *H. tenax*
Hygroamblystegium irriguum f. *marianopolitana* Dupret = *H. tenax*
Hygroamblystegium orthocladon (P. Beauv.) Loeske = *H. tenax*
Hygroamblystegium tenax var. *spinifolium* (Schimp.) Jenn. = *H. tenax*
Hygrohypnum arcticum (Somm.) Loeske = *H. smithii*
Hygrohypnum eugyrium var. *mackayi* (Schimp.) Broth. = *H. eugyrium*
Hygrohypnum mackayi (Schimp.) Loeske = *H. eugyrium*
Hygrohypnum molle var. *bestii* (Ren. & Bryhn) Hab. = *H. bestii*
Hygrohypnum eumontanum (Lindb.) Crum, Steere, & Anders. = *H. montanum*
Hygrohypnum novae-caesareae (Aust.) Grout = *Sematophyllum novae-caesareae*
Hygrohypnum palustre Loeske = *H. luridum*
Hygrohypnum palustre var. *julaceum* (B.S.G.) Loeske = *H. luridum* var. *julaceum*
Hygrohypnum palustre var. *subsphaerocarpum* (Brid.) Loeske = *H. luridum* var. *subsphaerocarpum*
Hygrohypnum pseudomontanum (Kindb. *ex* Mac. & Kindb.) Grout = *H. luridum*
Hygrohypnum smithii var. *goulardii* (Schimp.) Wijk & Marg. = *H. cochlearifolium*
Hygrohypnum subeugyrium var. *occidentale* (Card. & Thér.) Grout = *H. luridum* var. *julaceum*
Hylocomium alaskanum (Lesq. & James) Aust. = *H. splendens* var. *obtusifolium*
Hylocomium calvescens Lindb. = *Rhytidiadelphus subpinnatus*
Hylocomium loreum (Hedw.) B.S.G. = *Rhytidiadelphus loreus*
Hylocomium proliferum (Brid.) Lindb. = *H. splendens*
Hylocomium robustum (Hook.) Kindb. = *Rhytidiopsis robusta*
Hylocomium splendens var. *alaskanum* (Lesq. & James) Limpr. = *H. splendens* var. *obtusifolium*
Hylocomium squarrosum (Hedw.) B.S.G. = *Rhytidiadelphus squarrosus*
Hylocomium squarrosum ssp. *calvescens* Kindb. = *Rhytidiadelphus subpinnatus*
Hylocomium squarrosum var. *calvescens* (Kindb.) Hobk. = *Rhytidiadelphus subpinnatus*
Hylocomium triquetrum (Hedw.) B.S.G. = *Rhytidiadelphus triquetrus*
Hymenostylium curvirostre Mitt. = *Gymnostomum recurvirostrum*
Hymenostylium recurvirostre (Hedw.) Dix. = *Gymnostomum recurvirostrum*
Hyophila riparia (Aust.) Fleisch. *in* Britt. = *H. involuta*
Hyophila tortula (Schwaegr.) Hampe = *H. involuta*
Hypnum abietinum Hedw. = *Thuidium abietinum*
Hypnum acuminatum (Hedw.) P. Beauv. = *Brachythecium acuminatum*
Hypnum acutum Mitt. = *Brachythecium salebrosum*
Hypnum adnatum Hedw. = *Homomallium adnatum*
Hypnum aduncum Hedw. = *Drepanocladus aduncus*
Hypnum aduncum var. *aquaticum* (Sanio) Sanio = *Drepanocladus aduncus* var. *aquaticus*
Hypnum aduncum var. *platyphyllum* (Kindb.) Par. = *Drepanocladus aduncus*
Hypnum alaskae Kindb. = *H. callichroum*
Hypnum albicans Neck. *ex* Hedw. = *Brachythecium albicans*
Hypnum alleghaniense C. Müll. = *Thamnobryum alleghaniense*
Hypnum alpestre Sw. *ex* Hedw. = *Hygrohypnum alpestre*
Hypnum amblyphyllum Williams = *Drepanocladus tundrae*
Hypnum americanum Mac. — *nomen nudum*
Hypnum arcticum Somm. *in* Wahlenb. = *Hygrohypnum smithii*
Hypnum arcuatiforme Kindb. *in* Mac. & Kindb. = *H. lindbergii*
Hypnum arcuatum Lindb. = *H. lindbergii*
Hypnum atrovirens Dicks. = *Lescuraea patens*

Hypnum badium C.J. Hartm. = *Drepanocladus badius*
Hypnum bergenense Aust. = *Campylium radicale*
Hypnum blandowii Web. & Mohr = *Helodium blandowii*
Hypnum brevirostre (Brid.) Ehrh. = *Hylocomium brevirostre*
Hypnum bridelianum Crum, Steere, & Anders. = *H. recurvatum*
Hypnum byssirameum C. Müll. & Kindb. *in* Mac. & Kindb. = *Campylium hispidulum*
Hypnum campestre (C. Müll.) Mitt. = *Brachythecium campestre*
Hypnum canadense Kindb. = *H. dieckii*
Hypnum canariense (Mitt.) Jaeg. & Sauerb. = *H. uncinulatum* Jur. — Excluded from Canada
Hypnum capillifolium Warnst. = *Drepanocladus capillifolius*
Hypnum chloropterum C. Müll. & Kindb. *in* Mac. & Kindb. = *Bryhnia novae-angliae*
Hypnum chrysophyllum Brid. = *Campylium chrysophyllum*
Hypnum chrysophyllum var. *brevifolium* Ren. & Card. = *Campylium chrysophyllum* var. *brevifolium*
Hypnum circulifolium C. Müll. & Kindb. *in* Mac. & Kindb. = *Hygrohypnum molle*
Hypnum columbiae (Kindb.) Kindb. *in* Mac. & Kindb. = *Amblystegium serpens* var. *columbiae*
Hypnum columbicopalustre C. Müll. & Kindb. *in* Mac. & Kindb. = *Hygrohypnum luridum*
Hypnum commutatum Hedw. = *Cratoneuron commutatum*
Hypnum commutatum ssp. *sulcatum* (Lindb.) Boul. = *Cratoneuron commutatum* var. *sulcatum*
Hypnum compactum (Hook.) C. Müll. = *Rhynchostegiella compacta*
Hypnum complexum (Mitt.) Jaeg. & Sauerb. = *H. cupressiforme*
Hypnum confervoides Brid. = *Platydictya confervoides*
Hypnum conflatum C. Müll. & Kindb. *in* Mac. & Kindb. = *Drepanocladus aduncus*
Hypnum cordifolium Hedw. = *Calliergon cordifolium*
Hypnum cossonii Schimp. = *Drepanocladus revolvens*
Hypnum crista-castrensis Hedw. = *Ptilium crista-castrensis*
Hypnum cuspidatum Hedw. = *Calliergonella cuspidata*
Hypnum decipiens (De Not.) Limpr. = *Cratoneuron decipiens*
Hypnum decursivulum C. Müll. & Kindb. *in* Mac. & Kindb. = *Campylium radicale*
Hypnum delicatulum Hedw. = *Thuidium delicatulum*
Hypnum denticulatum Hedw. = *Plagiothecium denticulatum*
Hypnum deplanatum Bruch & Schimp. *ex* Sull. *in* Gray = *Taxiphyllum deplanatum*
Hypnum depressulum C. Müll. = *H. pallescens* var. *protuberans*
Hypnum dilatatum Wils. *ex* Schimp. = *Hygrohypnum molle*
Hypnum dimorphum Brid. = *Heterocladium dimorphum*
Hypnum donnellii Aust. = *Stereophyllum leucostegum*
Hypnum eugyrium (B.S.G.) Sull. & Lesq. = *Hygrohypnum eugyrium*
Hypnum exannulatum B.S.G. = *Drepanocladus exannulatus*
Hypnum exannulatum ssp. *pseudo-lycopodioides* Kindb. = *Hygrohypnum ochraceum*
Hypnum exannulatum ssp. *pseudostramineum* (C. Müll.) Kindb. = *Calliergidium pseudostramineum*
Hypnum exannulatum var. *purpurascens* (Schimp.) Milde = *Drepanocladus exannulatus*
Hypnum falcatum Brid. = *Cratoneuron commutatum* var. *falcatum*
Hypnum falcatum var. *microphyllum* Kindb. *in* Mac. & Kindb. = *Drepanocladus sendtneri*
Hypnum fastigiatum Brid. = *H. recurvatum*
Hypnum filicinum Hedw. = *Cratoneuron filicinum*
Hypnum filicinum var. *aciculinum* C. Müll. & Kindb. *in* Mac. & Kindb. = *Cratoneuron filicinum* var. *aciculinum*
Hypnum filicinum var. *filiforme* Berggr. = *Cratoneuron filicinum* var. *filiforme*

Hypnum flaccum C. Müll. & Kindb. *in* Mac. & Kindb. = *Callicladium haldanianum*
Hypnum fluitans Hedw. = *Drepanocladus fluitans*
Hypnum fluitans var. *falcifolius* f. *viridis* Boul. = *Drepanocladus exannulatus*
Hypnum fluitans var. *gracilis (-e)* Boul. *in* Ren. = *Drepanocladus fluitans* var. *gracilis*
Hypnum fluitans var. *jeanbernatii* Ren. = *Drepanocladus fluitans* var. *jeanbernatii*
Hypnum fluviatile Hedw. = *Hygroamblystegium fluviatile*
Hypnum geminum (Mitt.) Lesq. & James = *Isopterygium pulchellum*
Hypnum giganteum Schimp. = *Calliergon giganteum*
Hypnum giganteum var. *fluitans* (Rabenh.) Heug. = *Calliergon giganteum* var. *fluitans*
Hypnum goulardii Schimp. = *Hygrohypnum smithii* var. *goulardii*
Hypnum gracile Bruch & Schimp. *in* Hook. = *Haplocladium microphyllum*
Hypnum haldanianum Grev. = *Callicladium haldanianum*
Hypnum hamulosiforme Kindb. *in* Mac. — *nomen nudum*
Hypnum hamulosum var. *aemulans* (Breidl.) Podp. = *H. aemulans*
Hypnum hians Hedw. = *Eurhynchium hians*
Hypnum hispidulum Brid. = *Campylium hispidulum*
Hypnum implexum Ren. & Card. = *H. plicatulum*
Hypnum jamesii (Sull.) Lesq. & James = *H. pallescens* var. *protuberans*
Hypnum jamesii-macounii Kindb. = *Drepanocladus jamesii-macounii*
Hypnum julaceum (Schwaegr.) Vill. *ex* Schwaegr. = *Myurella julacea*
Hypnum kneiffii (B.S.G.) Schimp. *in* Wils. = *Drepanocladus aduncus* var. *kneiffii*
Hypnum kneiffii var. *laxum* Kindb. *in* Mac. & Kindb. — *nomen nudum*
Hypnum kneiffii var. *platyphyllum* Kindb. *in* Mac. & Kindb. = *Drepanocladus aduncus*
Hypnum kneiffii var. *rectifolium* Kindb. *in* Mac. & Kindb. — *nomen nudum*
Hypnum laetum Brid. = *Brachythecium oxycladon*
Hypnum lindbergii var. *elatum* (Schimp.) Williams = *H. lindbergii*
Hypnum longinerve (Kindb.) Kindb. = *Drepanocladus exannulatus* var. *rotae*
Hypnum microcarpum (Brid.) C. Müll. = *Sematophyllum adnatum*
Hypnum minutissimum Sull. & Lesq. = *Platydictya minutissimum*
Hypnum minutulum Hedw. = *Thuidium minutulum*
Hypnum molluscoides Kindb. = *H. molluscum* var. *molluscoides* (Par.) Grout — Excluded *(nomen confusum)*
Hypnum molluscum Hedw. = *Ctenidium molluscum*
Hypnum molluscum var. *condensatum* Schimp. = *Ctenidium molluscum* var. *condensatum*
Hypnum molluscum var. *molluscoides* (Par.) Grout — Excluded *(nomen confusum)*
Hypnum montanum Wils. *in* James = *Hygrohypnum montanum*
Hypnum moseri Kindb. = *Drepanocladus uncinatus*
Hypnum myosuroides Brid. = *Isothecium eumyosuroides*
Hypnum muehlenbeckii Schimp. *ex* C. Hartm. = *Herzogiella striatella*
Hypnum nemorosum Koch *ex* Brid. = *Heterophyllium affine*
Hypnum nitens Hedw. = *Tomenthypnum nitens*
Hypnum nitidulum Wahlenb. = *Isopterygium pulchellum*
Hypnum novae-angliae Sull. & Lesq. = *Bryhnia novae-angliae*
Hypnum oakesii Sull. *in* Gray = *Hylocomium pyreniacum*
Hypnum ochraceum Turn. *ex* Wils. = *Hygrohypnum ochraceum*
Hypnum oedipodium Mitt. = *Brachythecium starkei* ssp. *oedipodium*
Hypnum orbicularicordatum Ren. & Card. = *Calliergon orbicularicordatum*
Hypnum orthothecioides (Lindb.) Par. = *Drepanocladus uncinatus* var. *subjulaceus*
Hypnum palustre Brid. = *Hygrohypnum luridum*
Hypnum passaicense (Aust.) Lesq. & James = *Isopterygium pulchellum*
Hypnum patientiae Lindb. *ex* Milde = *H. lindbergii*
Hypnum patientiae var. *elatum* (Schimp.) Jaeg. & Sauerb. = *H. lindbergii*
Hypnum perichaetiale B.S.G. = *H. pallescens* var. *pallescens*

Hypnum plicatile (Mitt.) Lesq. & James = *H. revolutum*
Hypnum plumosum Hedw. = *Brachythecium plumosum*
Hypnum polare Lindb. = *Hygrohypnum polare*
Hypnum polygamum (B.S.G.) Wils. = *Campylium polygamum*
Hypnum populeum Hedw. = *Brachythecium populeum*
Hypnum porphyrhizon Lindb. = *Amblystegium juratzkanum* var. *serotinum*
Hypnum protuberans Brid. = *H. pallescens* var. *protuberans*
Hypnum pseudo-arcticum Kindb. = *Hygrohypnum luridum*
Hypnum pseudodrepanium C. Müll. & Kindb. *in* Mac. & Kindb. = *H. lindbergii*
Hypnum pseudofastigiatum C. Müll. & Kindb. *in* Mac. & Kindb. = *H. cupressiforme*
Hypnum pseudolycopodioides Kindb. *ex* Nichols = *Hygrohypnum ochraceum*
Hypnum pseudo-nemorosum (Kindb.) Par. = *Hypnum cupressiforme* var. *resupinatum*
Hypnum pseudopratense Kindb. *in* Mac. & Kindb. = *H. pratense*
Hypnum pseudorecurvans Kindb. = *H. circinale*
Hypnum pulchellum (Hedw.) Dicks. *ex* Brid. = *Isopterygium pulchellum*
Hypnum pyrenaicum Spruce = *Hylocomium pyrenaicum*
Hypnum radicale (P. Beauv.) Brid. = *Campylium radicale*
Hypnum ravaudii ssp. *fastigiatum* (Hampe) Wijk & Marg. = *H. recurvatum*
Hypnum recurvans (Michx.) P. Beauv. = *Brotherella recurvans*
Hypnum recognitum Hedw. = *Thuidium recognitum*
Hypnum reflexum Stark *in* Web. & Mohr = *Brachythecium reflexum*
Hypnum renauldii Kindb. *in* Mac. & Kindb. = *H. lindbergii*
Hypnum reptile Michx. = *H. pallescens*
Hypnum reptiliforme Kindb. = *H. subreptile*
Hypnum revolvens Sw. = *Drepanocladus revolvens*
Hypnum richardsonii (Mitt.) Lesq. & James = *Calliergon richardsonii*
Hypnum riparium Hedw. = *Leptodictyum riparium*
Hypnum rivulare (B.S.G.) Bruch *in* Wils. = *Brachythecium rivulare*
Hypnum rugosum Hedw. = *Rhytidium rugosum*
Hypnum rusciforme Weiss *ex* Brid. = *Eurhynchium riparioides*
Hypnum rutabulum Hedw. = *Brachythecium rutabulum*
Hypnum salebrosum Hoffm. *ex* Web. & Mohr = *Brachythecium salebrosum*
Hypnum sarmentosum Wahlenb. = *Calliergon sarmentosum*
Hypnum sarmentosum var. *acuminatum* Bryhn = *Calliergon sarmentosum*
Hypnum sarmentosum var. *fontinaloides* Berggr. = *Calliergon sarmentosum* var. *fontinaloides*
Hypnum schreberi Brid. = *Pleurozium schreberi*
Hypnum scitum P. Beauv. = *Rauiella scita*
Hypnum scorpioides Hedw. = *Scorpidium scorpioides*
Hypnum scorpioides var. *gracilescens* Sanio *in* Klinggr. = *Scorpidium scorpioides* f. *gracilescens*
Hypnum sendtneri Schimp. *in* H. Müll. = *Drepanocladus sendtneri*
Hypnum sequoieti C. Müll. = *H. circinale*
Hypnum serpens Hedw. = *Amblystegium serpens*
Hypnum serratus Milde — *nomen nudum*?
Hypnum serrulatum Hedw. = *Rhynchostegium serrulatum*
Hypnum sinuolatum (Kindb.) Kindb. *in* Röll = *Campylium chrysophyllum*
Hypnum sommerfeltii Myr. = *Campylium hispidulum* var. *sommerfeltii*
Hypnum splendens Hedw. = *Hylocomium splendens*
Hypnum squarrosum Hedw. = *Rhytidiadelphus squarrosus*
Hypnum starkei Brid. = *Brachythecium starkei*
Hypnum stellatum Hedw. = *Campylium stellatum*
Hypnum stellatum var. *protensum* (Brid.) Röhl. = *Campylium stellatum* var. *protensum*

Hypnum stellatum var. *subdecursivulum* Kindb. *in* Mac. & Kindb. = *Campylium subdecursivulum*
Hypnum stramineum Dicks. *ex* Brid. = *Calliergon stramineum*
Hypnum stramineum var. *patens* (Lindb.) Par. = *Calliergon stramineum*
Hypnum strigosum Hoffm. *ex* Web. & Mohr = *Eurhynchium pulchellum*
Hypnum subcomplexum Kindb. = *H. vaucheri*
Hypnum subeugyrium Ren. & Card. = *Hygrohypnum subeugyrium*
Hypnum subflaccum C. Müll. & Kindb. *in* Mac. & Kindb. = *H. pratense*
Hypnum subgiganteum Kindb. *ex* Grout = *Calliergon richardsonii*
Hypnum submersus Schimp. — *nomen nudum*?
Hypnum subplicatile Limpr. = *H. plicatulum*
Hypnum subsecundum Kindb. = *Campylium chrysophyllum*
Hypnum subtile (Hedw.) Dicks. = *Platydictya subtile*
Hypnum sullivantiae Schimp. *ex* Sull. = *Plagiothecium cavifolium*
Hypnum sullivantii Spruce *in* Sull. = *Bryhnia graminicolor*
Hypnum sylvaticum Brid. = *Plagiothecium sylvaticum* (Brid.) B.S.G. — Excluded from Canada
Hypnum tamariscinum Hedw. = *Thuidium tamariscinum*
Hypnum torrentis C. Müll. & Kindb. *in* Mac. & Kindb. = *Hygrohypnum smithii*
Hypnum trifarium Web. & Mohr = *Calliergon trifarium*
Hypnum triquetrum Hedw. = *Rhytidiadelphus triquetrus*
Hypnum turfaceum Lindb. = *Herzogiella turfacea*
Hypnum turgescens T. Jens. = *Scorpidium turgescens*
Hypnum umbratum Ehrh. *ex* Hedw. = *Hylocomium umbratum*
Hypnum uncinatum Hedw. = *Drepanocladus uncinatus*
Hypnum uncinatum var. *alpinum* (Ren.) Hamm. = *Drepanocladus uncinatus* var. *alpinus*
Hypnum uncinatum var. *gracilescens* B.S.G. = *Drepanocladus uncinatus* var. *gracilescens*
Hypnum uncinatum var. *gracillimum* Berggr. = *Drepanocladus uncinatus* var. *gracillimus*
Hypnum uncinatum var. *micropterum* Kindb. *in* Mac. & Kindb. = *Drepanocladus uncinatus*?
Hypnum uncinatum var. *plumosum* B.S.G. = *Drepanocladus uncinatus* var. *plumosus*
Hypnum uncinatum var. *plumulosum* B.S.G. = *Drepanocladus uncinatus* var. *plumulosus*
Hypnum uncinatum var. *subestriatum* Kindb. *in* Mac. & Kindb. = *Drepanocladus uncinatus*?
Hypnum uncinatum var. *symmetricum* (Ren. & Card.) Ren. & Card. = *Drepanocladus uncinatus* var. *symmetricus*
Hypnum unicostatum C. Müll. & Kindb. *in* Mac. & Kindb. = *Campylium chrysophyllum*
Hypnum vacillans Lesq. & James = *Leptodictyum vacillans*
Hypnum varium (Hedw.) P. Beauv. = *Amblystegium varium*
Hypnum velutinum Hedw. = *Brachythecium velutinum*
Hypnum vernicosum Lindb. *in* C. Hartm. = *Drepanocladus vernicosus*
Hypnum waghornei Kindb. *in* Mac. & Kindb. = pp. *Hypnum lindbergii* and pp. *Drepanocladus uncinatus*
Hypnum wilsonii (Lindb.) Schimp. *ex* Ren. = *Drepanocladus sendtneri* var. *wilsonii*
Hypnum zuratzkae Mac. — *nomen nudum*
Hypopterygium canadense Kindb. = *H. fauriei*
Isopterygium borrerianum (C. Müll.) Lindb. = *I. elegans*
Isopterygium muellerianum (Schimp.) Jaeg. & Sauerb. = *Isopterygiopsis muelleriana*
Isopterygium pulchellum var. *nitidulum* (Wahlenb.) Roth = *I. pulchellum*
Isopterygium seligeri (Brid.) Dix. *ex* C. Jens = *Herzogiella seligeri*

Isopterygium striatellum (Brid.) Loeske = *Herzogiella striatella*
Isopterygium subfalcatum (Aust.) Jaeg. & Sauerb. = *I. distichaceum*
Isopterygium turfaceum (Lindb.) Lindb. = *Herzogiella turfacea*
Isothecium acuticuspis (Mitt.) Mac. & Kindb. = *I. stoloniferum*
Isothecium aggregatum (Mitt.) Jaeg. & Sauerb. = *I. cristatum*
Isothecium aplocladum (Mitt.) Kindb. = *Scleropodium cespitans* var. *sublaeve*
Isothecium brewerianum (Lesq.) Kindb. *in* Mac. & Kindb. = *I. cristatum*
Isothecium cardotii Kindb. = *I. stoloniferum* var. *cardotii*
Isothecium hylocomioides (Kindb.) Kindb. = *I. cristatum*
Isothecium lentum (Mitt.) Kindb. = *Scleropodium cespitans*
Isothecium myosuroides Brid. = *I. eumyosuroides*
Isothecium stoloniferum var. *spiculiferum* R.D. Williams & Schof. = *I. stoloniferum*
Isothecium thamnioides Kindb. = *I. stoloniferum* var. *thamnioides* (Kindb.) Wijk & Marg. — Provisionally excluded from Canada
Leptobarbula berica (De Not.) Schimp. — Excluded. Probably an error for *Ditrichum pusillum*
Leptodictyum riparium f. *abbreviatum* (Bruch & Schimp.) Grout = *L. riparium* var. *abbreviatum*
Leptodictyum riparium f. *longifolium* (Schultz) Grout = *L. riparium* var. *longifolium*
Leptodictyum trichopodium var. *curvipes* (B.S.G.) Broth. — Excluded from Canada
Leptodon nitidus (Lindb.) Sull. = *Neomacounia nitida*
Leptodon trichomitrius (-*on*) (Hedw.) Mohr *in* Sull. & Lesq. = *Forsstroemia trichomitria*
Leptodontium canadense Kindb. *in* Mac. & Kindb. = *Hyophila involuta*
Leptodontium recurvifolium (Tayl.) Lindb. = *Bryoerythrophyllum recurvifolium*
Leptotrichum brevifolium Kindb. *ex* Par. = *Ditrichum flexicaule* f. *brevifolium*
Leptotrichum brevifolium var. *densum* Schimp. = *Ditrichum flexicaule* var. *densum*
Leptotrichum glaucescens (Hedw.) Hampe *in* Schimp. = *Saelania glaucescens*
Leptotrichum pallidum (Hedw.) Hampe *in* C. Müll. = *Ditrichum pallidum*
Leptotrichum tortile (Schrad.) Hampe *in* C. Müll. = *Ditrichum pusillum* var. *tortile*
Lescuraea frigida Kindb. = *L. saxicola*
Lescuraea imperfecta C. Müll. & Kindb. *in* Mac. & Kindb. = *L. stenophylla*
Lescuraea julacea Besch. & Card. = *Pseudoleskea julacea*
Leskea cyrtophylla Kindb. *in* Mac. & Kindb. = *Pseudoleskeella tectorum*
Leskea denticulata Sull. = *Schwetschkeopsis fabronia*
Leskea intermedia Best *in* Mac. — *nomen nudum*
Leskea moseri Kindb. = *Anomodon moseri*
Leskea nervosa (Brid.) Myr. = *Leskeella nervosa*
Leskea nervosa var. *bulbifera* (Brid.) Best *in* Mac. = *Leskeella nervosa* f. *bulbifera*
Leskea nervosa var. *flagellifera* Kindb. = *Leskeella nervosa* var. *flagellifera*
Leskea nervosa var. *nigrescens* (Kindb.) Best = *Leskeella nervosa* var. *flagellifera*
Leskea nigrescens Kindb. = *Leskeella nervosa* var. *flagellifera*
Leskea pulvinata Wahlenb. = *Myrinia pulvinata*
Leskea subobtusifolia C. Müll. & Kindb. *in* Mac. & Kindb. = *L. polycarpa* var. *paludosa*
Leskea tectorum (Funck *ex* Brid.) Lindb. = *Pseudoleskeella tectorum*
Leskea tectorum var. *flagellifera* Best = *Pseudoleskeella tectorum* var. *flagellifera*
Leskea williamsii Best = *Pseudoleskeella williamsii*
Leskea williamsii var. *filamentosa* Best = *Pseudoleskeella williamsii* var. *filamentosa*
Leskea wollei Aust. = *Pseudoleskeella tectorum*
Leskeella tectorum (Brid.) Hag. = *Pseudoleskeella tectorum*
Leucobryum vulgare Hampe = *L. glaucum*
Leucodon sciuroides (Hedw.) Schwaegr. — Excluded from Canada. Most collections thus named are *L. brachypus* var. *andrewsianus*
Limprichtia Loeske = *Drepanocladus*
Lindbergia brachyptera var. *austinii* (Sull.) Grout = *L. brachyptera*
Loeskeobryum brevirostre (Brid.) Fleisch. *in* Broth. = *Hylocomium brevirostre*

Loeskypnum badium (Hartm.) Paul = *Drepanocladus badius*
Loeskypnum wickesii (Grout) Tuom. = *Calliergon wickesii*
Lyellia lescurii (James) Salm. = *Bartramiopsis lescurii*
Meesia albertinii B.S.G. = *M. longiseta*
Meesia hexasticha (Funck) Bruch = *M. longiseta*
Meesia trichodes Spruce = *M. uliginosa*
Meesia trifaria Crum, Steere, & Anders. = *M. triquetra*
Meesia tristicha Bruch = *M. triquetra*
Meteorium nigrescens (Hedw.) Dozy & Molk. = *Papillaria nigrescens*
Mielichhoferia elongata (Hoppe & Hornsch.) Nees & Hornsch. = *M. mielichhoferi* var. *elongata*
Mielichhoferia mielichhoferiana Loeske = *M. mielichhoferi*
Mielichhoferia recurvifolia Kindb. = *Ceratodon purpureus*
Mniobryum albicans (Wahlenb.) Limpr. = *Pohlia wahlenbergii*
Mniobryum wahlenbergii (Web. & Mohr) Jenn. = *Pohlia wahlenbergii*
Mnium affine Bland *ex* Funck = *Plagiomnium affine* (Funck) Kop. — Excluded from Canada. Most collections thus named are either *P. ciliare* or *P. ellipticum*
Mnium affine var. *ciliare* C. Müll. = *Plagiomnium ciliare*
Mnium affine var. *rugicum* (Laur.) B.S.G. = *Plagiomnium ellipticum*
Mnium andrewsianum Steere = *Rhizomnium andrewsianum*
Mnium ciliare (C. Müll.) Schimp. = *Plagiomnium ciliare*
Mnium cinclidioides Hüb. = *Pseudobryum cinclidioides*
Mnium curvatulum (Lindb.) Limpr. = *Plagiomnium medium* ssp. *curvatulum*
Mnium cuspidatum Hedw. = *Plagiomnium cuspidatum*
Mnium cuspidatum var. *tenellum* Kindb. *in* Mac. & Kindb. = *Plagiomnium cuspidatum*
Mnium cuspidatum f. *integrifolium* = *Plagiomnium affine* (Funck) Kop. — Excluded from Canada
Mnium decurrens C. Müll. & Kindb. *in* Mac. & Kindb. = *M. thomsonii*
Mnium drummondii Bruch & Schimp. = *Plagiomnium drummondii*
Mnium glabrescens Kindb. = *Rhizomnium glabrescens*
Mnium glabrescens ssp. *chlorophyllosum* Kindb. = *Rhizomnium punctatum*
Mnium hymenophylloides Hüb. = *Cyrtomnium hymenophylloides*
Mnium hymenophyllum B.S.G. = *Cyrtomnium hymenophyllum*
Mnium inclinatum Lindb. = *M. lycopodioides* ssp. *inclinatum*
Mnium insigne Mitt. = *Plagiomnium insigne*
Mnium insigne var. *intermedium* Kindb. *in* Mac. & Kindb. = *Plagiomnium insigne*
Mnium macrociliare C. Müll. & Kindb. *in* Mac. & Kindb. = *Plagiomnium ciliare*
Mnium medium B.S.G. = *Plagiomnium medium*
Mnium medium ssp. *boreale* Kindb. = *Plagiomnium medium* ssp. *curvatulum*
Mnium medium var. *integrifolium* Lindb. = *Plagiomnium medium* ssp. *curvatulum*
Mnium menziesii C. Müll. = *Leucolepis menziesii*
Mnium niagarae Kindb. *in* Mac. & Kindb. = *M. marginatum*
Mnium nudum Britt. & Williams = *Rhizomnium nudum*
Mnium orthorrhynchum Brid. = *M. thomsonii*
Mnium orthorrhynchum var. *tenellum* Bruch & Schimp. = *M. lycopodioides* ssp. *inclinatum*
Mnium pseudolycopodioides C. Müll. & Kindb. *in* Mac. & Kindb. = *M. lycopodioides*
Mnium pseudopunctatum Bruch & Schimp. = *Rhizomnium pseudopunctatum*
Mnium punctatum Hedw. = *Rhizomnium punctatum*
Mnium punctatum var. *elatum* Schimp. = *Rhizomnium magnifolium.* Most specimens thus named, however, are *Rhizomnium appalachianum*
Mnium riparium Mitt. = *M. lycopodioides*
Mnium robustum (Kindb.) Kindb. = *Plagiomnium insigne*
Mnium rostratum Schrad. = *Plagiomnium rostratum*
Mnium rugicum Laur. = *Plagiomnium ellipticum*

Mnium seligeri Jur. *in* Milde = *Plagiomnium elatum* (B.S.G.) Kop. — Excluded from Canada
Mnium serratum Schrad. *ex* Brid. = *M. marginatum*
Mnium serratum var. *macounii* Kindb. *in* Mac. & Kindb. = *M. spinulosum*
Mnium subglobosum B.S.G. = *Rhizomnium pseudopunctatum*
Mnium umbratile Mitt. = *M. lycopodioides*
Mnium venustum Mitt. = *Plagiomnium venustum*
Molendoa obtusifolia Broth. & Paris *ex* Card. = *Anoectangium obtusifolium*
Molendoa sendtneriana (B.S.G.) Limpr. = *Anoectangium sendtnerianum*
Myurella apiculata (Somm.) B.S.G. = *M. tenerrima*
Myurella careyana Sull. *in* Sull. & Lesq. = *M. sibirica*
Myurella careyana var. *tenella* Hab. = *M. sibirica* var. *tenella*
Myurella gracilis Lindb. = *M. sibirica*
Myurella julacea var. *scabrifolia* Lindb. *ex* Limpr. = *M. julacea*
Nanomitrium austinii (Sull.) Lindb. = *Micromitrium austinii*
Neckera disticha Hedw. = *Neckeropsis disticha*
Neckera douglasii var. *macounii* Kindb. = *N. douglasii*
Neckera menziesii Hook. *in* Drumm. = *Metaneckera menziesii*
Neckera menziesii var. *amblyclada* Kindb. *in* Mac. & Kindb. = *Metaneckera menziesii*
Neckera oligocarpa Bruch *in* Ångstr. = *N. pennata* var. *tenera*
Neckera pennata var. *oligocarpa* (Bruch) C. Müll. = *N. pennata* var. *tenera*
Neckera pennata var. *oligocarpa* f. *pterantha* (C. Müll. & Kindb.) Grout = *N. pennata* var. *tenera*
Neckera pterantha (C. Müll. & Kindb.) Kindb. = *N. pennata* var. *tenera*
Oligotrichum hercynicum var. *latifolium* C. Müll. & Kindb. *in* Mac. & Kindb. = *O. hercynicum*
Oligotrichum lyallii (Mitt.) Lindb. = *Polytrichum lyallii*
Omalia trichomanoides (Brid.) B.S.G. = *Homalia trichomanoides*
Oncophorus glaucescens Lindb. & H. Arnell = *Cynodontium glaucescens*
Oncophorus gracilescens (Web. & Mohr) Lindb. = *Cynodontium gracilescens* (Web. & Mohr) Schimp. — Excluded from Canada
Oncophorus jenneri (Schimp.) Williams = *Cynodontium jenneri*
Oncophorus polycarpus (Hedw.) Brid. = *Cynodontium polycarpum*
Oncophorus polycarpus var. *strumiferus* (Hedw.) Grout = *Cynodontium strumiferum*
Oncophorus tenellus (Schimp.) Williams = *Cynodontium tenellum*
Oreoweisia serrulata (Funck) De Not. — Excluded from Canada. Most collections thus named are *Dichodontium pellucidum.*
Orthodicranum flagellare (Hedw.) Loeske = *Dicranum flagellare*
Orthothecium rubellum (Mitt.) Kindb. = *O. strictum*
Orthotrichum affine ssp. *fastigiatum* (Brid.) C.J. Hartm. = *O. affine* var. *fastigiatum*
Orthotrichum alpestre var. *majus* Lesq. & James = *O. alpestre*
Orthotrichum anomalum var. *americanum* Vent. *in* Mac. & Kindb. = *O. anomalum*
Orthotrichum anomalum var. *venturii* (Kindb. *in* Mac. & Kindb.) Britt. — *nomen nudum*
Orthotrichum blyttii Schimp. = *O. pylaesii*
Orthotrichum brachytrichum Schimp. *ex* Lesq. & James = *O. pumilum*
Orthotrichum braunii B.S.G. = *O. stellatum*
Orthotrichum canadense Bruch & Schimp. = *O. anomalum*
Orthotrichum connectens Kindb. *in* Mac. = *Ulota crispa*
Orthotrichum consimile ssp. *anomaloides* Kindb. = *O. anomalum*
Orthotrichum crispulum (Bruch) Hornsch. *ex* B.S.G. = *Ulota crispula*
Orthotrichum crispum Hedw. = *Ulota crispa*
Orthotrichum cupulatum var. *jamesianum* (Sull.) Lawt. = *O. jamesianum*
Orthotrichum cupulatum var. *minus* Sull. = *O. strangulatum* f. *lescurii*

Orthotrichum cupulatum var. *nudum* (Dicks.) Lindb. = *O. cupulatum* var. *riparium* Hüb. — Excluded from Canada
Orthotrichum cylindrocarpum Lesq. = *O. tenellum*
Orthotrichum douglasii Dub. = *O. laevigatum*
Orthotrichum elegans Schwaegr. *in* Richardson = *O. speciosum* var. *elegans*
Orthotrichum fastigiatum Bruch *ex* Brid. = *O. affine* ssp. *fastigiatum*
Orthotrichum garretti Grout & Flow. = *O. diaphanum*
Orthotrichum hutchinsiae Sm. = *Ulota hutchinsiae*
Orthotrichum killiasii C. Müll. = *O. speciosum*
Orthotrichum kingianum Lesq. = *O. laevigatum*
Orthotrichum kingii Lesq. = *O. laevigatum*
Orthotrichum leiocarpum B.S.G. = *O. striatum*
Orthotrichum lescurii Aust. = *O. strangulatum* f. *lescurii*
Orthotrichum lonchothecium C. Müll. & Kindb. *in* Mac. & Kindb. = *O. laevigatum* f. *macounii*
Orthotrichum ludwigii Brid. = *Ulota coarctata*
Orthotrichum lyelloides Kindb. = *O. lyellii*
Orthotrichum macounii Aust. = *O. laevigatum* f. *macounii*
Orthotrichum macounii var. *lonchothecium* (C. Müll. & Kindb.) Grout = *O. laevigatum* f. *macounii*
Orthotrichum microblephare (-um) Schimp. = *O. pylaisii*
Orthotrichum microblepharum f. *rubrum* Grout = *O. sordidum*
Orthotrichum nudum Dicks. — Excluded from Canada
Orthotrichum nudum var. *rudolphianum* Vent. *in* Husn. = *O. cupulatum*
Orthotrichum papillosum Hampe = *O. lyellii*
Orthotrichum papillosum ssp. *strictum* (Vent.) Kindb. = *O. lyellii*
Orthotrichum porteri Sull. & Lesq. *in* Aust. = *O. strangulatum*
Orthotrichum psilocarpum James *in* Sull. = *O. pusillum*
Orthotrichum psilothecium C. Müll. & Kindb. *in* Mac. & Kindb. = *O. speciosum* var. *elegans*
Orthotrichum pulchellum ssp. *ulotaeforme* (Ren. & Card.) Kindb. = *O. consimile*
Orthotrichum pulchellum var. *columbicum* (Mitt.) Grout = *O. consimile*
Orthotrichum pulchellum var. *groutii* Lawt. = *O. pulchellum*
Orthotrichum roellii Vent. *in* Röll = *O. laevigatum* f. *macounii*
Orthotrichum rogeri Brid. — Excluded from Canada
Orthotrichum rupestre var. *macfaddenae* (Williams) Grout = *O. rupestre*
Orthotrichum schimperi Hamm. = *O. pumilum*
Orthotrichum sturmii Hoppe & Hornsch. = *O. rupestre* ssp. *sturmii*
Orthotrichum subsordidum Kindb. *in* Mac. — *nomen nudum*
Orthotrichum texanum Sull. & Lesq. = *O. rupestre*
Orthotrichum venturii Kindb. *in* Mac. & Kindb. — *nomen nudum*
Orthotrichum winteri Schimp. = *O. consimile*
Oxyrrhynchium praelongum (Hedw.) Warnst. = *Stokesiella praelonga*
Oxyrrhynchium praelongum var. *stokesii* (Turn.) Podp. = *Stokesiella praelonga* var. *stokesii*
Oxyrrhynchium riparioides (Hedw.) Jenn. = *Eurhynchium riparioides*
Oxyrrhynchium rusciforme var. *complanatum* (Limpr.) Warnst. = *Eurhynchium rusciforme* var. *complanatum*
Pharomitrium subsessile (Brid.) Schimp. = *Pterygoneurum subsessile*
Phascum cuspidatum var. *americanum* Ren. & Card. = *P. cuspidatum*
Phascum piliferum Schreb. *ex* Hedw. = *P. cuspidatum* var. *piliferum*
Phascum subexsertum Hook. *in* Drumm. = *Pottia bryoides*
Philocrya aspera Hag. & C. Jens. = *Lyellia aspera*
Philonotis acutiflora Kindb. *in* Röll = *P. fontana* var. *pumila*
Philonotis americana var. *gracilescens* (Dism.) Flow. *in* Grout = *P. americana*
Philonotis americana var. *torquata* (Ren. & Geh.) Flow. *in* Grout = *P. americana*
Philonotis caespitosa Jur. = *P. fontana* var. *caespitosa*

Philonotis caespitosa f. *laxiretis* Loeske = *P. fontana* var. *caespitosa*
Philonotis fontana var. *adpressa* (Ferg.) Limpr. = *P. fontana*
Philonotis fontana var. *brachyphylla* Kindb. *in* Mac. = *P. fontana*
Philonotis fontana var. *columbia* Kindb. *in* Mac. & Kindb. = *P. fontana* var. *pumila*
Philonotis fontana var. *serrata* Kindb. *in* Mac. & Kindb. = *P. americana*
Philonotis glabriuscula Kindb. *in* Mac. & Kindb. = pp. *P. marchica* & pp. *P. fontana*
Philonotis macounii Lesq. & James = *P. capillaris*
Philonotis radicalis Brid. = *P. longiseta*
Philonotis tomentella Mol. *in* Lor. = *P. fontana* var. *pumila*
Philonotis vancouverensis Kindb. = *P. capillaris*
Physcomitrium acuminatum B.S.G. = *P. eurystomum* Sendtn. f. *acuminatum* Loeske — Excluded from Canada
Physcomitrium drummondii Britt. = *P. pyriforme*
Physcomitrium kellermanii Britt. = *P. pyriforme*
Physcomitrium kellermanii var. *drummondii* (Britt.) Grout = *P. pyriforme*
Physcomitrium platyphyllum Kindb. *in* Mac. & Kindb. = *P. pyriforme*
Physcomitrium strangulatum Kindb. = *P. pyriforme*
Physcomitrium turbinatum (Michx.) Britt. = *P. pyriforme*
Plagiomnium rugicum (Laur.) Kop. = *P. ellipticum*
Plagiopus oederi (Brid.) Limpr. = *P. oederiana*
Plagiopus oederi f. *alpinus* (Schwaegr.) Hab. = *P. oederiana* var. *alpinus*
Plagiotheciella pilifera (Sw.) Fleisch. *in* Broth. = *Plagiothecium piliferum*
Plagiothecium aciculari-pungens C. Müll. & Kindb. *in* Mac. & Kindb. = *P. cavifolium*
Plagiothecium bifariellum Kindb. = *Stokesiella praelonga*
Plagiothecium brevipungens Kindb. *in* Mac. & Kindb. = *Callicladium haldanianum*
Plagiothecium decursivifolium Kindb. *in* Mac. & Kindb. = *P. laetum*
Plagiothecium denticulatum var. *aptychus* (Spruce) Lees *in* Dix. = *P. laetum*
Plagiothecium denticulatum var. *laetum* (B.S.G.) Lindb. = *P. laetum*
Plagiothecium denticulatum var. *squarrosum* Kindb. = *P. denticulatum*
Plagiothecium deplanatum (Bruch & Schimp. *ex* Sull. *in* Gray) Spruce = *Taxiphyllum deplanatum*
Plagiothecium diversifolium Kindb. *in* Mac. — *nomen nudum*
Plagiothecium elegans (Brid.) Schimp. = *Isopterygium elegans*
Plagiothecium geminum (Mitt.) Jaeg. & Sauerb. = *Isopterygium pulchellum*
Plagiothecium geophilum (Aust.) Grout = *Taxiphyllum taxirameum*
Plagiothecium membranosum Kindb. *in* Mac. & Kindb. = *Rhynchostegium aneuron*
Plagiothecium micans (Sw.) Par. = *Isopterygium tenerum*
Plagiothecium muehlenbeckii B.S.G. = *Herzogiella striatella*
Plagiothecium muellerianum Schimp. = *Isopterygiopsis muelleriana*
Plagiothecium passaicense Aust. = *Isopterygium pulchellum*
Plagiothecium pseudolatebricola Kindb. *in* Mac. & Kindb. = *Isopterygium pulchellum*
Plagiothecium pulchellum (Hedw.) B.S.G. = *Isopterygium pulchellum*
Plagiothecium pulchellum var. *nitidulum* (Wahlenb.) Rau & Herv. = *Isopterygium pulchellum*
Plagiothecium roeseanum B.S.G. = *P. cavifolium*
Plagiothecium ruthei Limpr. = *P. denticulatum*
Plagiothecium seligeri (Brid.) Lindb. = *Herzogiella seligeri*
Plagiothecium silesiacum (P. Beauv.) B.S.G. = *Herzogiella seligeri*
Plagiothecium striatellum (Brid.) Lindb. = *Herzogiella striatella*
Plagiothecium subfalcatum Aust. = *Isopterygium distichaceum*
Plagiothecium sullivantiae (Sull.) Schimp. *ex* Jaeg. & Sauerb. = *P. cavifolium*
Plagiothecium sylvaticum (Brid.) B.S.G. — Excluded from Canada
Plagiothecium sylvaticum var. *roeseanum* (B.S.G.) Lindb. = *P. cavifolium*

Plagiothecium tricophorum (Spruce) Vent. & Bott. = *P. piliferum*
Plagiothecium turfaceum (Lindb.) Lindb. = *Herzogiella turfacea*
Platydictya jungermannioides var. *minutissimum* (Sull. & Lesq.) Crum = *P. minutissimum*
Platygyrium repens var. *orthoclados* Kindb. = *P. repens*
Pleuridium alternifolium (Hedw.) Brid. = *Archidium alternifolium*
Pleuridium axillare (Sm.) Lindb. = *Pseudephemerum nitidum*
Pogonatum alpinum var. *brevifolium* (R. Br.) Brid. = *P. alpinum* var. *septentrionale*
Pogonatum alpinum var. *macounii* (Kindb.) Card. & Thér. = *P. alpinum* var. *sylvaticum*
Pogonatum alpinum var. *simplex* Schimp. = *P. alpinum* var. *septentrionale*
Pogonatum alpinum var. *subcylindricum* Kindb. *in* Mac. — *nomen nudum*
Pogonatum atrovirens Mitt. = *P. contortum*
Pogonatum brevicaule P. Beauv. = *P. pensilvanicum*
Pogonatum capillare (Michx.) Brid. = *P. dentatum*
Pogonatum erythrodontium Kindb. *in* Mac. & Kindb. = *P. contortum*
Pogonatum laterale Brid. = *P. contortum*
Pogonatum macounii (Kindb.) Mac. & Kindb. = *P. alpinum* var. *sylvaticum*
Pogonatum tenue Rau & Herv. = *P. pensilvanicum*
Pogonatum urnigerum var. *fasciculatum* (Michx.) Brid. = *P. urnigerum*
Pohlia acuminata Hoppe & Hornsch. = *P. elongata*
Pohlia albicans Lindb. = *P. wahlenbergii*
Pohlia annotina var. *loeskei* Crum, Steere, & Anders. = *P. annotina* var. *decipiens*
Pohlia camptotrachela (Ren & Card.) Broth. = *P. annotina*
Pohlia camptotrachela var. *decipiens* (Loeske) Nyh. = *P. annotina* var. *decipiens*
Pohlia commutata (Schimp.) Lindb. = *P. drummondii*
Pohlia commutata var. *fila* (Schimp.) Dus. = *P. drummondii*
Pohlia cucullata (Schwaegr.) Lindb. = *P. obtusifolia*
Pohlia delicatula (Hedw.) Grout = *P. carnea*
Pohlia drummondii var. *gracilis* (B.S.G.) Podp. = *P. schleicheri*
Pohlia gracilis (B.S.G.) Lindb. = *P. schleicheri*
Pohlia pulchella (Hedw.) Lindb. = *P. lescuriana*
Pohlia schimperi (C. Müll.) Andr. *in* Grout = *P. rutilans*
Pohlia tozeri (Grev.) Delogne = *Epipterygium tozeri*
Polytrichastrum alpinum (Hedw.) G.L. Smith = *Pogonatum alpinum*
Polytrichadelphus lyallii Mitt. = *Polytrichum lyallii*
Polytrichum affine Funck = *P. strictum*
Polytrichum alpinum Hedw. = *Pogonatum alpinum*
Polytrichum alpinum var. *arcticum* (Brid.) Wahlenb. = *Pogonatum alpinum* var. *arcticum*
Polytrichum alpinum var. *brevifolium* (R.Br.) C. Müll. = *Pogonatum alpinum* var. *septentrionale*
Polytrichum alpinum var. *septentrionale* (Sw.) Lindb. = *Pogonatum alpinum* var. *septentrionale*
Polytrichum alpinum var. *subcylindricum* Kindb. — *nomen nudum*
Polytrichum brevicaule Brid. = *Pogonatum pensilvanicum*
Polytrichum canadense Kindb. = *P. commune*
Polytrichum capillare Michx. = *Pogonatum dentatum*
Polytrichum commune var. *canadense* Kindb. *in* Mac. & Kindb. = *P. commune*
Polytrichum conorhynchum Kindb. *in* Mac. & Kindb. = *P. formosum*
Polytrichum decipiens Limpr. = *P. ohioense*
Polytrichum formosum var. *aurantiacum* (Brid.) C.J. Hartm. = *P. longisetum*
Polytrichum fragile Bryhn = *Pogonatum alpinum* var. *fragile*
Polytrichum gracile Dicks. *in* Menz. = *P. longisetum*
Polytrichum gracile var. *anomalum* (Milde) Hag. = *P. formosum*
Polytrichum piliferum var. *hyperboreum* (R.Br.) C. Müll. = *P. hyperboreum*
Polytrichum inconstans Hag. = *P. commune* var. *nigrescens*

Polytrichum jensenii Hag. = *P. commune* var. *maximoviczii*
Polytrichum juniperinum var. *alpestre* (Hoppe) Röhl. = *P. strictum*
Polytrichum juniperinum var. *gracilius* Wahlenb. = *P. strictum*
Polytrichum microdontium (Kindb.) Kindb. = *Pogonatum alpinum* var. *septentrionale*
Polytrichum norvegicum Hedw. = *Pogonatum alpinum* var. *septentrionale*
Polytrichum norvegicum (of American authors) = *P. sexangulare*
Polytrichum norvegicum var. *vulcanicum* (C. Jens.) Podp. = *P. sphaerothecium*
Polytrichum pallidisetum Funck = *P. ohioense*
Polytrichum sexangulare var. *vulcanum* C. Jens. = *P. sphaerothecium*
Polytrichum swartzii C.J. Hartm. = *P. commune* var. *nigrescens*
Polytrichum yukonense Card. & Thér. = *P. commune* var. *yukonense*
Porothamnium bigelovii (Sull.) Fleisch *in* Broth. = *Porotrichum bigelovii*
Porotrichum alleghaniense (C. Müll.) Grout = *Thamnobryum alleghaniense*
Pottia cavifolia Ehrh. *ex* Fürnr. = *Pterygoneurum ovatum*
Pottia heimii (Hedw.) Hampe = *Desmatodon heimii*
Pottia heimii var. *arctica* Lindb. = *Desmatodon heimii* var. *arctica*
Pottia heimii var. *obtusifolia* (R. Br.) Hag. = *Desmatodon heimii* var. *arctica*
Pottia intermedia (Turn.) Fürnr. = *P. truncata*
Pottia latifolia (Schwaegr.) C. Müll. = *Stegonia latifolia*
Pottia latifolia var. *pilifera* (Brid.) C. Müll. = *Stegonia latifolia* var. *pilifera*
Pottia littoralis Mitt. = *P. truncata* var. *littoralis*
Pottia obtusifolia C. Müll. = *Desmatodon heimii* var. *arctica*
Pottia randii Kennedy = *Desmatodon randii*
Pottia truncata var. *major* (Web. & Mohr) B.S.G. = *P. truncata*
Pottia truncatula (With.) Bus. = *P. truncata*
Pseudisothecium myosuroides (Brid.) Grout = *Isothecium eumyosuroides*
Pseudisothecium stoloniferum (Brid.) Grout = *Isothecium stoloniferum*
Pseudisothecium stoloniferum var. *cardotii* (Kindb.) Grout = *Isothecium stoloniferum* var. *cardotii*
Pseudisothecium stoloniferum var. *myurellum* (Kindb.) Grout = *Isothecium stoloniferum* var. *myurellum*
Pseudoleskea atricha (Kindb. *ex* Mac. & Kindb.) Kindb. = *Lescuraea atricha*
Pseudoleskea atrovirens (Brid.) B.S.G. = *Lescuraea patens*
Pseudoleskea atrovirens var. *atricha* Kindb. *in* Mac. & Kindb. = *Lescuraea atricha*
Pseudoleskea catenulata (Schrad.) B.S.G. = *Pseudoleskeella catenulata*
Pseudoleskea denudata (Lindb.) Best = *Lescuraea radicosa* var. *denudata*
Pseudoleskea denudata var. *holzingeri* Best = *Lescuraea radicosa* f. *holzingeri*
Pseudoleskea falcicuspis C. Müll. & Kindb. *in* Mac. & Kindb. = *Lescuraea incurvata*
Pseudoleskea frigida (Kindb.) Sharp *in* Grout = *Lescuraea saxicola*
Pseudoleskea incurvata (Hedw.) Loeske = *Lescuraea incurvata*
Pseudoleskea incurvata var. *tenuiretis* (Culm.) Lawt. = *Lescuraea incurvata* var. *tenuiretis*
Pseudoleskea malacoclada C. Müll. & Kindb. *in* Mac. & Kindb. = *Pseudoleskeella tectorum*
Pseudoleskea oligoclada Kindb. = *Lescuraea incurvata*
Pseudoleskea pallida var. *filescens* Best = *Pseudoleskeella catenulata* var. *filescens* (Best) Lawt. — Excluded from Canada.
Pseudoleskea patens (Lindb.) Kindb. = *Lescuraea patens*
Pseudoleskea radicosa (Mitt.) Mac. & Kindb. = *Lescuraea radicosa*
Pseudoleskea radicosa var. *compacta* Best = *Lescuraea radicosa* var. *compacta*
Pseudoleskea radicosa var. *denudata* (Kindb.) Wijk & Marg. = *Lescuraea radicosa* var. *denudata*
Pseudoleskea radicosa var. *pallida* (Best) Crum, Steere, & Anders. = *Lescuraea radicosa* var. *pallida*
Pseudoleskea rigescens Lindb. = *Lescuraea stenophylla*
Pseudoleskea sciuroides Kindb. = *Lescuraea radicosa*

Pseudoleskea sciuroides var. *denudata* (Kindb.) Kindb. = *Lescuraea radicosa* var. *denudata*
Pseudoleskea stenophylla Ren. & Card. = *Lescuraea stenophylla*
Pseudoleskea substriata Best = *Lescuraea saxicola*
Pseudoleskeella catenulata var. *acuminata* (Culm.) Amann = *P. catenulata* var. filescens (Best) Lawt. — Excluded from Canada
Pseudoleskeella catenulata var. *filescens* (Best) Lawt. — Excluded from Canada
Pseudoleskeella nervosa (Brid.) Nyh. = *Leskeella nervosa*
Pseudoleskeella nervosa var. *sibirica* (H. Arnell) Lawt. = *P. catenulata* var. *filescens* (Best) Lawt. ? — Excluded from Canada
Pseudoleskeella occidentalis (Kindb.) Kindb. = *Bestia vancouveriensis*
Pseudostereodon procerrimum (Mol.) Fleisch. *in* Broth. = *Hypnum procerrimum*
Psilopilum arcticum Brid. = *P. laevigatum*
Pterigynandrum filiforme ssp. *decipiens* (Web. & Mohr) Kindb. = *P. filiforme* var. *majus*
Pterigynandrum filiforme var. *decipiens* (Web. & Mohr) Limpr. = *P. filiforme* var. *majus*
Pterigynandrum filiforme f. *papillosulum* (C. Müll. & Kindb. *in* Mac. & Kindb.) Grout = *P. filiforme*
Pterigynandrum papillosulum C. Müll & Kindb. *in* Mac. & Kindb. = *P. filiforme*
Pterogonium brachypterum Mitt. = *Lindbergia brachyptera*
Pterygoneurum arcticum Steere = *P. lamellatum*
Pterygophyllum lucens (Hedw.) Brid. = *Hookeria lucens*
Pylaisia filari-acuminata C. Müll & Kindb. *in* Mac. & Kindb. = *Pylaisiella polyantha*
Pylaisia heteromalla Bruch & Schimp. = *Pylaisiella polyantha*
Pylaisia intricata (Hedw.) B.S.G. = *Pylaisiella intricata*
Pylaisia jamesii Sull. & Lesq. = *Pylaisiella polyantha*
Pylaisia ontariensis C. Müll. & Kindb. *in* Mac. & Kindb. = *Pylaisiella polyantha*
Pylaisia polyantha (Hedw.) B.S.G. = *Pylaisiella polyantha*
Pylaisia polyantha var. *jamesii* (Sull. & Lesq.) Rau & Herv. = *Pylaisiella polyantha*
Pylaisia polyantha var. *pseudoplatygyria* (Kindb. *in* Mac. & Kindb.) Grout = *Pylaisiella polyantha*
Pylaisia pseudoplatygyrium Kindb. *in* Mac. & Kindb. = *Pylaisiella polyantha*
Pylaisia schimperi Card. = *Pylaisiella selwynii*
Pylaisia selwynii Kindb. = *Pylaisiella selwynii*
Pylaisia subdenticulata B.S.G. = *Pylaisiella polyantha*
Pylaisia velutina B.S.G. = *Pylaisiella intricata*
Pylaisiella polyantha var. *pseudoplatygyria* (Kindb.) Grout = *P. polyantha*
Rauia scita (P. Beauv.) Aust. = *Rauiella scita*
Rhabdoweisia denticulata B.S.G. = *R. crispata*
Rhabdoweisia striata (Schrad.) Lindb. = *R. fugax*
Rhacomitrium affine (Web. & Mohr) Lindb. = *R. heterostichum* var. *alopecurum*
Rhacomitrium alternuatum C. Müll. & Kindb. *in* Mac. & Kindb. = *R. heterostichum* var. *macounii*
Rhacomitrium canescens f. *epilosum* (Milde) G. Jones = *R. canescens* var. *epilosum*
Rhacomitrium canescens. f. *ericoides* (Brid.) Mönk. = *R. canescens* var. *ericoides*
Rhacomitrium heterostichum ssp. *micropoides* (Kindb.) Kindb. = *R. heterostichum* var. *alopecurum*
Rhacomitrium heterostichum var. *affine* (Web. & Mohr) Lesq. = *R. heterostichum* var. *alopecurum*
Rhacomitrium heterostichum var. *gracilescens* B.S.G. = *R. heterostichum*
Rhacomitrium heterostichum var. *ramulosum* (Lindb.) Corb. = *R. heterostichum* var. *microcarpon*
Rhacomitrium heterostichum var. *sudeticum* (Funck) Bauer = *R. sudeticum*
Rhacomitrium hypnoides Lindb. = *R. lanuginosum*
Rhacomitrium macounii Kindb. = *R. heterostichum* var. *macounii*

Rhacomitrium microcarpon (Hedw.) Brid. = *R. heterostichum* var. *microcarpon*
Rhacomitrium neevii (C. Müll.) Watts = *R. aciculare*
Rhacomitrium obtusum (Brid.) Brid. = *R. heterostichum* var. *obtusum*
Rhacomitrium palmeri (Kindb.) Kindb. = *R. fasciculare*
Rhacomitrium patens (Hedw.) Hüb. = *Dryptodon patens*
Rhacomitrium protensum (Braun) Hüb. = *R. aquaticum*
Rhacomitrium robustifolium Kindb. = *R. heterostichum* var. *macounii*
Rhacomitrium sudeticum f. *macounii* (Kindb.) Lawt. = *R. heterostichum* var. *macounii*
Rhacomitrium tenuinerve Kindb. = *R. fasciculare*
Rhaphidostegium cylindricarpum (C. Müll.) Mac. & Kindb. = *Brotherella tenuirostris*
Rhaphidostegium demissum (Wils.) De Not. = *Sematophyllum demissum*
Rhaphidostegium jamesii (Sull.) Lesq. & James = *Hypnum pallescens* var. *protuberans*
Rhaphidostegium laxepatulum (Lesq. & James) Ren. & Card. = *Brotherella recurvans*
Rhaphidostegium microcarpum (Brid.) Jaeg. & Sauerb. = *Sematophyllum adnatum*
Rhaphidostegium recurvans (Michx.) Jaeg. & Sauerb. = *Brotherella recurvans*
Rhaphidostegium roellii Ren. & Card. = *Brotherella roellii*
Rhaphidostegium subadnatum C. Müll. & Kindb. *in* Mac. & Kindb. = *Hypnum pallescens*
Rhaphidostegium whitei Kindb. = *Brotherella recurvans*
Rhizomnium perssonii Kop. = *R. magnifolium*
Rhizomnium punctatum ssp. *chlorophyllosum* (Kindb.) Kop. = *R. punctatum*
Rhizomnium punctatum var. *elatum* (Schimp.) Kop. = *R. magnifolium*
Rhodobryum roseum (Hedw.) Limpr. — Excluded from eastern Canada. Most collections thus named are *R. ontariense*
Rhynchostegium deplanatum (Bruch & Schimp. *ex* Sull. *in* Gray) Kindb. *in* Mac. & Kindb. = *Taxiphyllum deplanatum*
Rhynchostegium pseudo-serrulatum (Kindb.) Kindb. = *Brachythecium starkei*
Rhynchostegium rusciforme B.S.G. = *Eurhynchium riparioides*
Rhytidiadelphus squarrosus (Hedw.) Warnst. — Excluded from eastern Canada. Most collections thus named are *R. subpinnatus*
Roellia simplex Kindb. = *R. roellii*
Sanionia uncinata (Hedw.) Loeske = *Drepanocladus uncinatus*
Schistidium agassizii Sull. & Lesq. = *Grimmia agassizii*
Schistidium apocarpum (Hedw.) B.S.G. = *Grimmia apocarpa*
Schistidium gracile (Röhl.) Limpr. = *Grimmia apocarpa* var. *stricta*
Schistidium platyphyllum (Mitt.) Kindb. = *Grimmia alpicola* var. *latifolia*
Schistidium tenerrimum (Nees & Hornsch.) Roth = *Grimmia tenerrima*
Schistidium tenerum (Zett.) Nyh. = *Grimmia tenera*
Schistostega osmundacea Mohr = *S. pennata*
Schwetschkeopsis denticulata (Sull.) Broth. = *S. fabronia*
Scleropodium apocladum (Mitt.) Grout = *S. cespitans* var. *sublaeve*
Scleropodium caespitosum B.S.G. = *S. cespitans*
Scleropodium caespitosum var. *sublaeve* Ren. & Card. = *S. cespitans* var. *sublaeve*
Scleropodium colpophyllum (Sull.) Grout = *S. tourettei* var. *colpophyllum*
Scleropodium colpophyllum var. *attenuatum* Grout = *S. tourettei* var. *colpophyllum*
Scleropodium illecebrum B.S.G. = *S. tourettei*
Scorpidium trifarium (Web. & Mohr) Paul = *Calliergon trifarium*
Scorpidium vernicosum (Mol.) Tuom. = *Drepanocladus vernicosus*
Seligeria donnii Lindb. = *S. donniana*
Seligeria trifaria (Brid.) Lindb. — Excluded from Canada
Sematophyllum carolinianum (C. Müll.) Britt. = *S. demissum*
Sematophyllum delicatulum (James) Britt. = *Brotherella recurvans*
Sematophyllum recurvans (Michx.) Britt. = *Brotherella recurvans*
Sematophyllum tenuirostris (Bruch & Schimp.) Britt. = *Brotherella tenuirostris*

Sharpiella seligeri (Brid.) Iwats. = *Herzogiella seligeri*
Sharpiella striatella (Brid.) Iwats. = *Herzogiella striatella*
Sharpiella turfacea (Lindb.) Iwats. = *Herzogiella turfacea*
Sphaerangium triquetrum (Spruce) Schimp. = *Acaulon triquetrum*
Sphagnum acutifolium Schrad. = *S. nemoreum*
Sphagnum acutifolium var. *intermedium* Aust. = *S. warnstorfii*
Sphagnum acutifolium var. *pallescens* Warnst. = *S. nemoreum* var. *alpinum*
Sphagnum acutifolium var. *rubellum* (Wils.) Russ. = *S. rubellum*
Sphagnum acutifolium var. *rubrum* Brid. *ex* Warnst. = *S. nemoreum* var. *elegans*
Sphagnum acutifolium var. *tenellum* Schimp. = *S. rubellum*
Sphagnum acutifolium var. *versicolor* Warnst. = *S. nemoreum* f. *versicolor*
Sphagnum amblyphyllum (Russ.) Warnst. = *S. flexuosum*
Sphagnum annulatum var. *porosum* (Schlieph. & Warnst. *ex* Warnst.) Maass & Isov. *ex* Maass = *S. jensenii*
Sphagnum apiculatum Lindb. *f. in* Bauer = *S. fallax*
Sphagnum auriculatum Schimp. = *S. subsecundum* var. *rufescens*
Sphagnum capillaceum (Weiss) Schrank = *S. nemoreum*
Sphagnum capillaceum var. *tenellum* (Schimp.) Andr. = *S. rubellum*
Sphagnum capillaceum var. *tenerum* (Sull. & Lesq.) Crum = *S. tenerum*
Sphagnum capillifolium (Ehrh.) Hedw. = *S. nemoreum*
Sphagnum compactum var. *papillosum* Warnst. — *nomen nudum*
Sphagnum compactum var. *subsquarrosum* Warnst. = *S. compactum* var. *brachycladum*
Sphagnum contortum Schultz = *S. subsecundum* var. *contortum*
Sphagnum cuspidatum var. *torreyanum* (Sull.) Lesq. & James = *S. torreyanum*
Sphagnum cuspidatum var. *torreyi* Braithw. = *S. torreyanum*
Sphagnum cymbifolium (Ehrh.) Hedw. = *S. palustre*
Sphagnum cymbifolium var. *laeve* Warnst. = *S. palustre*
Sphagnum dusenii C. Jens. *ex* Russ. & Warnst. *in* Russ. = *S. majus*
Sphagnum fallax var. *angustifolium* (C. Jens. *ex* Russ.) Nyh. = *S. angustifolium*
Sphagnum fimbriatum var. *arcticum* C. Jens. = *S. fimbriatum* var. *concinnum*
Sphagnum fimbriatum var. *robustum* Braithw. *ex* Warnst. = *S. fimbriatum* var. *laxum*
Sphagnum fuscum var. *fuscescens* Warnst. = *S. fuscum* f. *fuscescens*
Sphagnum fuscum var. *pallescens* Warnst. = *S. fuscum* f. *pallescens*
Spagnum fuscum var. *viride* Warnst. = *S. fuscum* f. *viride*
Sphagnum garberi Lesq. & James = *S. strictum*
Sphagnum girgensohnii var. *stachyodes* Russ. *in* Warnst. = *S. girgensohnii* var. *strictum*
Sphagnum imbricatum var. *cristatum* Warnst. = *S. imbricatum*
Sphagnum intermedium Hoffm. = *S. nemoreum*
Sphagnum jensenii var. *annulatum* Warnst. = *S. annulatum*
Sphagnum laricinum (Wils.) Spruce = *S. subsecundum* var. *contortum*
Sphagnum medium Limpr. = *S. magellanicum*
Sphagnum medium var. *laeve* f. *purpurascens* Russ. = *S. magellanicum* var. *purpurascens*
Sphagnum medium var. *pallescens* (Warnst.) Warnst. = *S. magellanicum* var. *pallescens*
Sphagnum medium var. *purpurascens* (Russ.) Warnst. = *S. magellanicum* var. *purpurascens*
Sphagnum medium var. *roseum* (Röll) Warnst. = *S. magellanicum* var. *roseum*
Sphagnum mexicanum Mitt. = *S. strictum*
Sphagnum mexicanum var. *subsquarrosum* (Warnst.) Warnst. = *S. strictum* var. *subsquarrosum*
Sphagnum molluscum Bruch = *S. tenellum*
Sphagnum papillosum var. *intermedium* Warnst. = *S. centrale*
Sphagnum parvifolium (Warnst.) Warnst. = *S. angustifolium*

Sphagnum plumulosum Röll = *S. subnitens*
Sphagnum plumulosum var. *flavicomans* (Card.) Andr. = *S. flavicomans*
Sphagnum purpureum C. Jens. = *S. rubellum*
Sphagnum pylaesii var. *ramosum* Warnst. = *S. pylaesii* var. *austinii*
Sphagnum pylaesii var. *ramosum* f. *nigricans* Brid. = *S. pylaesii* var. *austinii* f. *nigricans*
Sphagnum pylaesii var. *sedoides* (Brid.) Lindb. *in* Braithw. = *S. pylaesii* var. *prostratum*
Sphagnum recurvum P. Beauv. — Excluded from Canada. Most collections thus named are *S. fallax*
Sphagnum recurvum var. *amblyphyllum* (Russ.) Warnst. = *S. flexuosum*
Sphagnum recurvum var. *mucronatum* (Russ.) Warnst. = *S. fallax*
Sphagnum recurvum var. *parvifolium* Sendtn. *ex* Warnst. = *S. angustifolium*
Sphagnum recurvum var. *pulchrum* (Lindb.) Warnst. = *S. pulchrum*
Sphagnum recurvum var. *tenue* Klinggr. = *S. angustifolium*
Sphagnum rigidum (Nees & Hornsch.) Schimp. = *S. compactum*
Sphagnum robustum (Warnst.) Röll = *S. russowii*
Sphagnum rufescens (Nees & Hornsch.) Warnst. = *S. subsecundum* var. *rufescens*
Sphagnum semisquarrosum Russ. = *S. squarrosum* var. *cuspidatum*
Sphagnum squarrosum var. *semisquarrosum* Russ. *ex* Warnst. = *S. squarrosum*
Sphagnum squarrosum var. *speciosum* Russ. *in* Mac. & Kindb. — *nomen nudum*
Sphagnum squarrosum var. *spectabile* Russ. *in* Warnst. = *S. squarrosum* var. *immersum*
Sphagnum squarrosum var. *subsquarrosum* Russ. *in* Warnst. = *S. squarrosum*
Sphagnum subbicolor Hampe = *S. centrale*
Sphagnum subsecundum var. *platyphyllum* (Lindb. *ex* Braithw.) Card. = *S. platyphyllum*
Sphagnum tenellum var. *rubellum* (Wils.) Klinggr. = *S. rubellum*
Sphagnum tenellum var. *rubrum* Grav. *ex* Warnst. = *S. rubellum* var. *rubrum*
Sphagnum tenellum var. *violaceum* Warnst. — *nomen nudum*
Sphagnum teres var. *imbricatum* Warnst. = *S. teres.* var. *compactum*
Sphagnum teres var. *squarrosulum* (Schimp.) Warnst. = *S. teres*
Sphagnum warnstorfianum Du Rietz = *S. warnstorfii*
Sphagnum wulfianum var. *macrocladum* Warnst. *in* Mac. & Kindb. — *nomen nudum*
Sphagnum wulfianum var. *viride* Warnst. = *S. wulfianum* var. *squarrulosum*
Sphagnum wulfii Lindb. = *S. wulfianum*
Splachnum heterophyllum Drumm. = *S. vasculosum* var. *heterophyllum*
Splachnum ovatum Dicks. *ex* Hedw. = *S. sphaericum*
Splachnum wormskioldii Horn. = *Aplodon wormskjoldii*
Stereodon arcuatus Lindb. = *Hypnum lindbergii*
Stereodon callichrous (Brid.) Braithw. = *Hypnum callichroum*
Stereodon cupressiformis (Hedw.) Brid. *ex* Mitt. = *Hypnum cupressiforme*
Stereodon curvifolius (Hedw.) Brid. = *Hypnum curvifolium*
Stereodon fertilis (Sendtn.) Lindb. *in* Broth. = *Hypnum fertile*
Stereodon lindbergii (Mitt.) Braithw. = *Hypnum lindbergii*
Stereodon pallescens (Hedw.) Mitt. = *Hypnum pallescens*
Stereodon pratensis (Rabenh.) Warnst. = *Hypnum pratense*
Stereodon reptilis (Michx.) Mitt. = *Hypnum pallescens*
Streblotrichum convolutum (Hedw.) P. Beauv. = *Barbula convoluta*
Swartzia inclinata (Hedw.) P. Beauv. = *Distichium inclinatum*
Swartzia montana Lindb. = *Distichium capillaceum*
Tayloria tenuis (With.) Schimp. = *T. serrata* var. *tenuis*
Tetraplodon australis Sull. & Lesq. = *Splachnum pennsylvanicum*
Tetraplodon bryoides Lindb. = *T. mnioides*
Tetraplodon mnioides var. *paradoxus* (R. Br.) C. Jens. = *T. paradoxus*

Tetraplodon mnioides var. *urceolatus* (Hedw.) Steere *in* Polunin = *T. mnioides* var. *cavifolius*
Tetraplodon mnioides f. *brewerianus* (Hedw.) Grout = *T. mnioides* var. *brewerianus*
Tetraplodon pallidus Hag. = *T. paradoxus*
Tetraplodon pennsylvanicus Sayre *in* Grout = *Splachnum pennsylvanicum*
Tetraplodon urceolatus B.S.G. *ex* Schimp. = *T. mnioides* var. *cavifolius*
Thamnium alleghaniense (C. Müll.) Jaeg. & Sauerb. = *Thamnobryum alleghaniense*
Thamnium alopecurum (Hedw.) B.S.G. = *Thamnobryum alopecurum*
Thamnium bigelovii (Sull.) Jaeg. & Sauerb. = *Porotrichum bigelovii*
Thamnium pseudoneckeroides Kindb. = *Thamnobryum alleghaniense*
Thamnobryum leibergii (Britt.) Nieuwl. = *T. neckeroides*
Thelia compacta Kindb. = *T. hirtella*
Thuidium blandowii (Web. & Mohr) B.S.G. = *Helodium blandowii*
Thuidium bolanderi (Best) Par. = *Claopodium bolanderi*
Thuidium crispifolium (Hook.) Lindb. = *Claopodium crispifolium*
Thuidium gracile B.S.G. = *Haplocladium microphyllum*
Thuidium gracile var. *lancastriense* (Sull. & Lesq.) Mac. & Kindb. = *Haplocladium virginianum*
Thuidium leuconeuron (Sull. & Lesq.) Lesq. = *Claopodium whippleanum* var. *leuconeuron*
Thuidium lignicola Kindb. = *Haplocladium microphyllum*
Thuidium microphyllum (Hedw.) Jaeg. & Sauerb. = *Haplocladium microphyllum*
Thuidium microphyllum var. *lignicolum* (Kindb.) Best = *Haplocladium microphyllum*
Thuidium philibertii Limpr. = *T. delicatulum* var. *radicans*
Thuidium pseudoabietinum Kindb. = *Helodium blandowii*
Thuidium pseudo-gracile Kindb. = *Haplocladium virginianum*
Thuidium scitum (P. Beauv.) Aust. = *Rauiella scita*
Thuidium virginianum (Brid.) Schimp. *in* Besch. = *Haplocladium virginianum*
Thuidium whippleanum (Sull.) Jaeg. & Sauerb. = *Claopodium whippleanum*
Timmia bavarica Hessl. = *T. megapolitana* var. *bavarica*
Timmia comata Lindb. & H. Arnell = *T. norvegica* var. *comata*
Timmia cucullata Michx. = *T. megapolitana*
Timmia macounii Kindb. *in* Mac. — *nomen nudum*
Timmia megapolitana f. *cucullata* (Michx.) Sayre *in* Grout = *T. megapolitana*
Timmiella flexiseta var. *vancouveriensis* (Broth.) Grout = *T. crassinervis*
Tomenthypnum nitens var. *falcifolium* (Ren. *ex* Nich.) Podp. = *T. falcifolium*
Tortella caespitosa (Schwaegr.) Limpr. = *T. humilis*
Tortella flavovirens var. *glareicola* (T. Christ.) Crundw. & Nyh. — Provisionally excluded from Canada
Tortella inclinatula (C. Müll. & Kindb. *in* Mac. & Kindb.) Broth. = *T. inclinata*
Tortula intermedia (Brid.) De Not. = *T. ruralis* var. *crinita*
Trachybryum megaptilum (Sull.) Schof. = *Homalothecium megaptilum*
Trachypus nigrescens (Hedw.) Mitt. = *Papillaria nigrescens*
Trichostomum anomalum (B.S.G.) Schimp. = *Timmiella anomala*
Trichostomum cuspidatissimum Card. & Thér. = *T. arcticum*
Trichostomum cylindricum (Brid.) C. Müll. = *Oxystegus tenuirostre*
Trichostomum tenuirostre (Hook. & Tayl.) Lindb. = *Oxystegus tenuirostre*
Trichostomum glaucescens Hedw. = *Saelania glaucescens*
Trichostomum lineare (Sw.) Sull. = *Ditrichum lineare*
Trichostomum tophaceum Brid. = *Didymodon tophaceus*
Trichostomum tortile Schrad. = *Ditrichum pusillum* var. *tortile*
Trichostomum vaginans Sull. = *Ditrichum lineare*
Trichostomum vancouveriense (Broth.) Kindb. = *Timmiella crassinervis*
Tripterocladium rupestre (Kindb.) Kindb. = *T. leucocladulum*
Ulota americana (P. Beauv.) Limpr. = *U. hutchinsiae*
Ulota americana var. *longiseta* Thér. = *U. hutchinsiae*?

Ulota barclayi Mitt. = *U. japonica*
Ulota ciriata Grout = *U. curvifolia*
Ulota connectens (Kindb.) Kindb. = *U. crispa*
Ulota crispa var. *alaskana* (Card. & Thér.) Grout = *U. obtusiuscula*
Ulota crispa var. *crispula* (Bruch) Hamm. = *U. crispula*
Ulota intermedia Schimp. = *U. crispa* var. *intermedia*
Ulota ludwigii (Brid.) Brid. = *U. coarctata*
Ulota maritima C. Müll. & Kindb. *in* Mac. & Kindb. = *U. phyllantha*
Ulota scabrida Kindb. *in* Mac. & Kindb. = *U. curvifolia*
Ulota subulata Kindb. *in* Mac. & Kindb. = *U. megalospora*
Ulota subulifolia C. Müll. & Kindb. *in* Mac. & Kindb. = *U. megalospora*
Ulota ulophylla Broth. = *U. crispa*
Warnstorfia Loeske = *Drepanocladus*
Webera acuminata (Hoppe & Hornsch.) Schimp. = *Pohlia elongata*
Webera albicans Schimp. = *Pohlia wahlenbergii*
Webera annotina (Hedw.) Bruch *in* Schwaegr. = *Pohlia annotina*
Webera canaliculata C. Müll. & Kindb. *in* Mac. & Kindb. = *Pohlia rutilans*
Webera carnea Schimp. = *Pohlia carnea*
Webera columbica Kindb. *in* Mac. & Kindb. = *Pohlia columbica*
Webera commutata Schimp. = *Pohlia drummondii*
Webera commutata var. *gracile* Schleich. = *Pohlia schleicheri*
Webera cruda (Hedw.) Fürnr. = *Pohlia cruda*
Webera crudoides (Sull. & Lesq.) Jaeg. & Sauerb. = *Pohlia crudoides*
Webera cucullata (Schwaegr.) Schimp. = *Pohlia obtusifolia*
Webera elongata (Hedw.) Schwaegr. = *Pohlia elongata*
Webera fontana Kindb. = pp. *Philonotis marchica* & pp. *Philonotis fontana*
Webera gracilis (B.S.G.) De Not. = *Pohlia schleicheri*
Webera lescuriana (Sull.) Jaeg. & Sauerb. = *Pohlia lescuriana*
Webera longicolla (-is) Hedw. = *Pohlia longicolla*
Webera ludwigii (Schwaegr.) Fürnr. = *Pohlia ludwigii*
Webera ludwigii var. *microphylla* Kindb. *in* Mac. & Kindb. = *Pohlia ludwigii*
Webera micro-apiculata C. Müll. & Kindb. *in* Mac. & Kindb. = *Pohlia cruda*
Webera microcaulon C. Müll. & Kindb. *in* Mac. & Kindb. = *Pohlia minor* var. *brachycarpa*
Webera microdenticulata C. Müll. & Kindb. *in* Mac. & Kindb. = *Pohlia drummondii*
Webera nutans Hedw. = *Pohlia nutans*
Webera nutans var. *macounii* (Kindb.) Mac. = *Pohlia rutilans*
Webera nutans var. *macrospora* Kindb. *in* Mac. & Kindb. = *Pohlia nutans*?
Webera polymorpha (Hoppe & Hornsch.) Schimp. = *Pohlia minor*
Webera polymorphoides Kindb. *in* Mac. & Kindb. = *Pohlia drummondii*
Webera proligera Kindb. = *Pohlia proligera*
Webera pseudo-carnea (Kindb.) Mac. = *Pohlia bulbifera*
Webera pulchella Schimp. = *Pohlia lescuriana*
Webera pycnodecurrens C. Müll. & Kindb. *in* Mac. & Kindb. = *Pohlia drummondii*
Webera schimperi (C. Müll.) Schimp. = *Pohlia rutilans*
Webera sessilis Lindb. = *Diphyscium foliosum*
Webera sphagnicola (B.S.G.) Schimp. = *Pohlia sphagnicola*
Webera subcucullata C. Müll. & Kindb. *in* Mac. & Kindb. = *Pohlia drummondii*
Webera subpolymorpha (Kindb.) Par. = *Pohlia drummondii*
Webera tozeri (Grev.) Schimp. = *Epipterygium tozeri*
Weissia americana var. *rufescens* Britt. = *Ulota hutchinsiae* var. *rufescens*
Weissia curvifolia (Wahlenb.) Lindb. *in* Braithw. = *Ulota curvifolia*
Weissia curvirostris C. Müll. = *Gymnostomum recurvirostrum*
Weissia maritima (C. Müll. & Kindb.) Britt. = *Ulota phyllantha*
Weissia muhlenbergiana (Sw.) Reese & Lemmon = *Astomum muhlenbergianum*
Weissia pusilla Kindb. = *Gymnostomum calcareum* Nees & Hornsch. — Excluded from Canada

Weissia rupestris (Schwaegr.) C. Müll. = *Gymnostomum aeruginosum*
Weissia tenuis (Hedw.) C. Müll. = *Gyroweisia tenuis*
Weissia viridula Hedw. *ex* Brid. = *W. controversa*
Weissia wolfii Lesq. & James = *W. controversa* var. *wolfii*
Zieria demissa (Hook.) Schimp. = *Plagiobryum demissum*
Zygodon lapponicus (Hedw.) B.S.G. = *Amphidium lapponicum*
Zygodon mougeotii B.S.G. = *Amphidium mougeotii*
Zygodon rupestris (C. Hartm.) Lindb. *ex* Britt. = *Z. viridissimus* var. *rupestris*
Zygodon sullivantii C. Müll. = *Leptodontium viticulosoides* (P. Beauv.) Wijk. & Marg. — Specimens thus named by North American authors = *L. excelsum*
Zygodon vulgaris (Malta) Nyh. = *Z. viridissimus* var. *rupestris*

Andreaea obovata Thed. — Excluded from Alberta. Reported by MacFadden (The Bryologist 30: 65-74. 1927.) but according to Bird voucher specimen is *A. rupestris* Hedw.

Atrichum crispum (James) Sull. — Excluded from Labrador. Reported by Gillett (Can. Field-Nat. 77: 131-145. 1963.) but voucher specimen is *A. tenellum* (Röhl.) B.S.G.

Atrichum undulatum (Hedw.) P. Beauv. — Excluded from Labrador. Reported by Crum and Kallio (Natl. Mus. Canada Bull. 216: 87-101. 1966.) but voucher specimen is *A. oerstedianum* (C. Müll.) Mitt.

Brachythecium glareosum (Spruce) B.S.G. — Excluded from Saskatchewan. Reported by Bird (Can. J. Bot. 40: 573-587. 1962.) but according to Bird voucher specimen is *B. salebrosum* (Web. & Mohr) B.S.G.

Brachythecium oxycladon (Brid.) Jaeg. & Sauerb. — Excluded from Alberta. Reported by Moss (J. Ecol. 20: 380-415. 1932; Can. J. Bot. 31: 212-252. 1953.) but according to Bird voucher specimens are *B. salebrosum* (Web. & Mohr) B.S.G.

Climacium americanum Brid. — Excluded from Alberta and Manitoba. All reports are *C. dendroides* (Hedw.) Web. & Mohr according to Bird.

Cratoneuron decipiens (De Not.) Loeske — Excluded from Saskatchewan. Reported by Macoun (Catalogue Can. Plts. VII. 1902.) but according to Bird voucher specimen is *C. filicinum* (Hedw.) Spruce.

Ditrichum pusillum (Hedw.) Hampe — Excluded from Alberta according to Bird. Literature reports are based on misidentified specimens.

Dryptodon patens (Hedw.) Brid. — Excluded from Ontario. Reported by Soper & Maycock (Can. J. Bot. 41: 183-198. 1963.) as *Rhacomitrium patens* (Hedw.) Hüb. but according to Ireland voucher specimen in CANM is *Grimmia* sp.

Fabronia ravenelii Sull. — Excluded from Saskatchewan. Reported by Macoun (Catalogue Can. Plts. VII. 1902.) but according to Bird voucher specimens are *Brachythecium collinum* (Schleich. *ex* C. Müll.) B.S.G.

Grimmia cribrosa Hedw. — Excluded from Alberta. Reported by Bird (The Bryologist 71: 358-361. 1968.) but according to Bird voucher specimen is *G. wrightii* (Sull.) Aust.

Hygrohypnum eugyrium (B.S.G.) Loeske — Excluded from Alberta according to Bird. Literature reports are based on misidentified specimens.

Hygrohypnum luridum var. *julaceum* (B.S.G.) Podp. — Excluded from Alberta according to Bird. Literature reports are based on misidentified specimens.

Orthotrichum cupulatum Brid. — Excluded from Alberta according to Bird. Literature reports are based on misidentified specimens.

Plagiomnium rostratum (Schrad.) Kop. — Excluded from Alberta, Manitoba and Saskatchewan according to Bird. Literature reports are based on misidentified specimens.

Platygyrium repens (Brid.) B.S.G. — Excluded from Saskatchewan according to Bird. Literature reports are based on misidentified specimens.

Pylaisiella intricata (Hedw.) Grout — Excluded from Saskatchewan. Reported by Macoun & Kindberg as *Pylaisia intricata* Bruch & Schimp. (Catalogue Can. Plts. VI. 1892.) but according to Bird voucher specimen is *Pylaisiella polyantha* (Hedw.) Grout.

Rhacomitrium canescens var. *ericoides* (Brid.) Hampe — Excluded from Alberta and Saskatchewan according to Bird. Literature reports are based on misidentified specimens.

Rhizomnium andrewsianum (Steere) Kop. — Excluded from Manitoba and Saskatchewan according to Bird. Literature reports are based on misidentified specimens.

Sphagnum cuspidatum Ehrh. *ex* Hoffm. — Excluded from Alberta. Reported by Moss (Unpub. M.Sci. thesis, Univ. Western Ont., London) but according to Bird it is *Sphagnum* sp.

Sphagnum palustre L. — Excluded from Alberta. Reported by Moss (Unpub. M.Sci. thesis, Univ. Western Ont., London) but according to Bird voucher specimen is *S. centrale* C. Jens. *ex* H. Arnell & C. Jens.

Tetraplodon paradoxus (R.Br.) Hag. — Excluded from Labrador. Reported by Crum & Kallio as *T. mnioides* var. *paradoxus* (R.Br.) C. Jens. (Natl. Mus. Canada Bull. 216: 87-101. 1966.) but according to Brassard and Weber (Can. J. Bot. 56: 441-446. 1978.) voucher specimen is *T. pallidus* Hag.

Tortula subulata Hedw. — Excluded from Alberta and Saskatchewan. All reports are *T. mucronifolia* according to Bird. Excluded from Manitoba. Macoun and Kindberg report (Catalogue Can. Plts. VI. 1892.) of Macoun collection (CANM 132439) was revised to *T. mucronifolia* by H. Crum.

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